

8 7 6 5 4 3 2 1

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# TRINITY

## REV 1.01

### FAB G RETAIL

- RULES: (APPLIED WHEN POSSIBLE)
- 1.) MSB TO LSB IS TOP TO BOTTOM
  - 2.) WHEN POSSIBLE: INPUTS ON LEFT, OUTPUTS ON RIGHT
  - 3.) ORDER OF PAGES=CHIP INTERFACES, TERMINATION, POWER, DECOUPLING
  - 4.) AVOID USING OFF PAGE CONNECTORS FOR ON PAGE CONNECTIONS
  - 5.) LANED SIGNALS ARE GROUPED ON SYMBOLS
  - 6.) TRANSMITTER NAME USED AS PREFIX WITH RX AND TX CONNECTIONS
  - 7.) SUFFIX V IS USED FOR VOLTAGE RAIL SIGNAL NAMES
  - 8.) SUFFIX DP AND DN ARE USED FOR DIFFERENTIAL PAIRS
  - 9.) UNNAMED NETS ARE NAMED WITH /2 TEXT SIZE
  - 10.) SUFFIX N FOR ACTIVE LOW OR N JUNCTION
  - 12.) SUFFIX P FOR P JUNCTION
  - 13.) SUFFIX EN FOR ENABLE
  - 14.) 'CLK' FOR CLOCKS, 'RST' FOR RESETS
  - 15.) PWRGD FOR POWER GOOD
  - 16.) REV AND FAB ARE SET USING CUSTOM VARIABLES. TOOLS>OPTIONS>VARIABLES

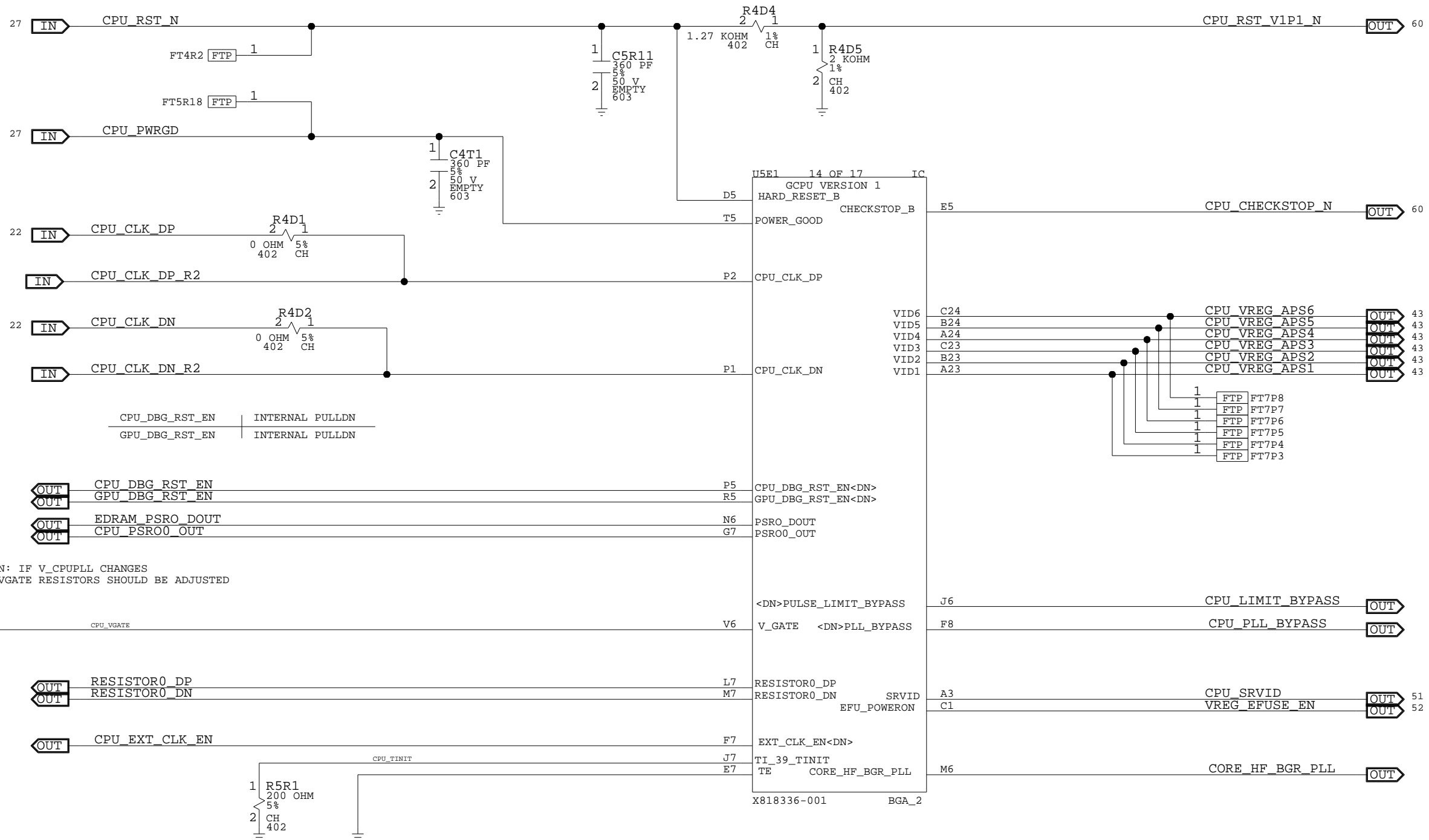
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Wed Feb 10 16:23:24 2010

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8 7 6 5 4 3 2 1

# GCPU SETUP



WHEN V\_CPUPLL=1.83V  
 SET VGATE=1.20V  
 ACTUAL=1.202V

N: IF V\_CPUPLL CHANGES  
 VGATE RESISTORS SHOULD BE ADJUSTED

6 LAYER ONLY SIGNALS

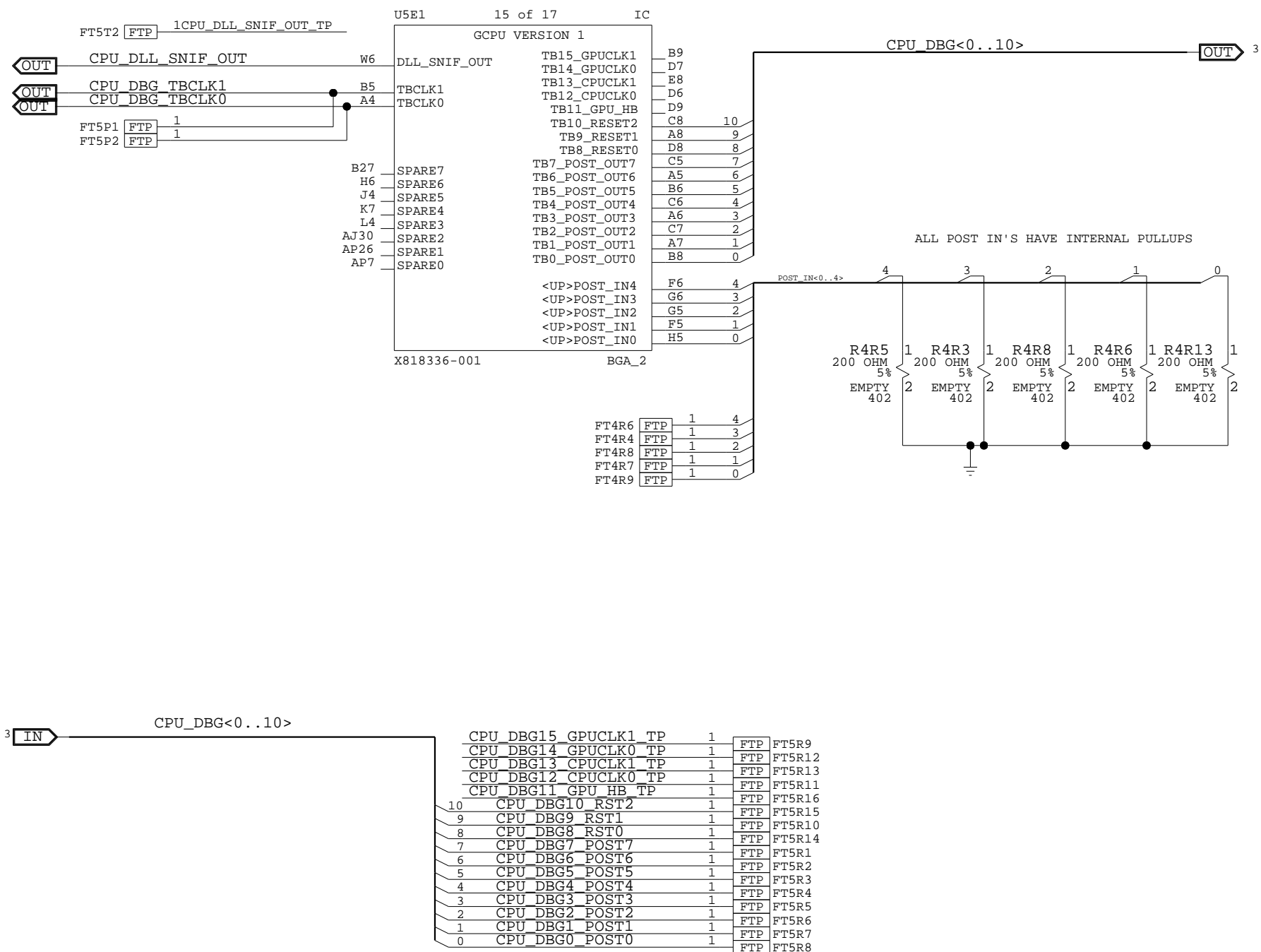
CORE_HF_BGR_PLL	6 LAYER ONLY; TP ONLY
CPU_LIMIT_BYPASS	6 LAYER ONLY; TP ONLY, INTERNAL PULLDN
CPU_PLL_BYPASS	6 LAYER ONLY; TP ONLY, INTERNAL PULLDN
CPU_CORE_HF_CLKOUT_DN	6 LAYER ONLY; TP ONLY
CPU_CORE_HF_CLKOUT_DP	6 LAYER ONLY; TP ONLY
CPU_EXT_CLK_EN	6 LAYER ONLY; TP ONLY, INTERNAL PULLDN
CPU_DLL_SNIFF_OUT	6 LAYER ONLY; TP ONLY
CPU_VDDS0_DP	6 LAYER ONLY
CPU_VDDS0_DN	6 LAYER ONLY
CPU_VDDS1_DP	6 LAYER ONLY
CPU_VDDS1_DN	6 LAYER ONLY
RESISTOR0_DP	6 LAYER ONLY
RESISTOR0_DN	6 LAYER ONLY
EDRAM_PSRO_DOUT	6 LAYER ONLY

[PAGE\_TITLE=GCPU SETUP]

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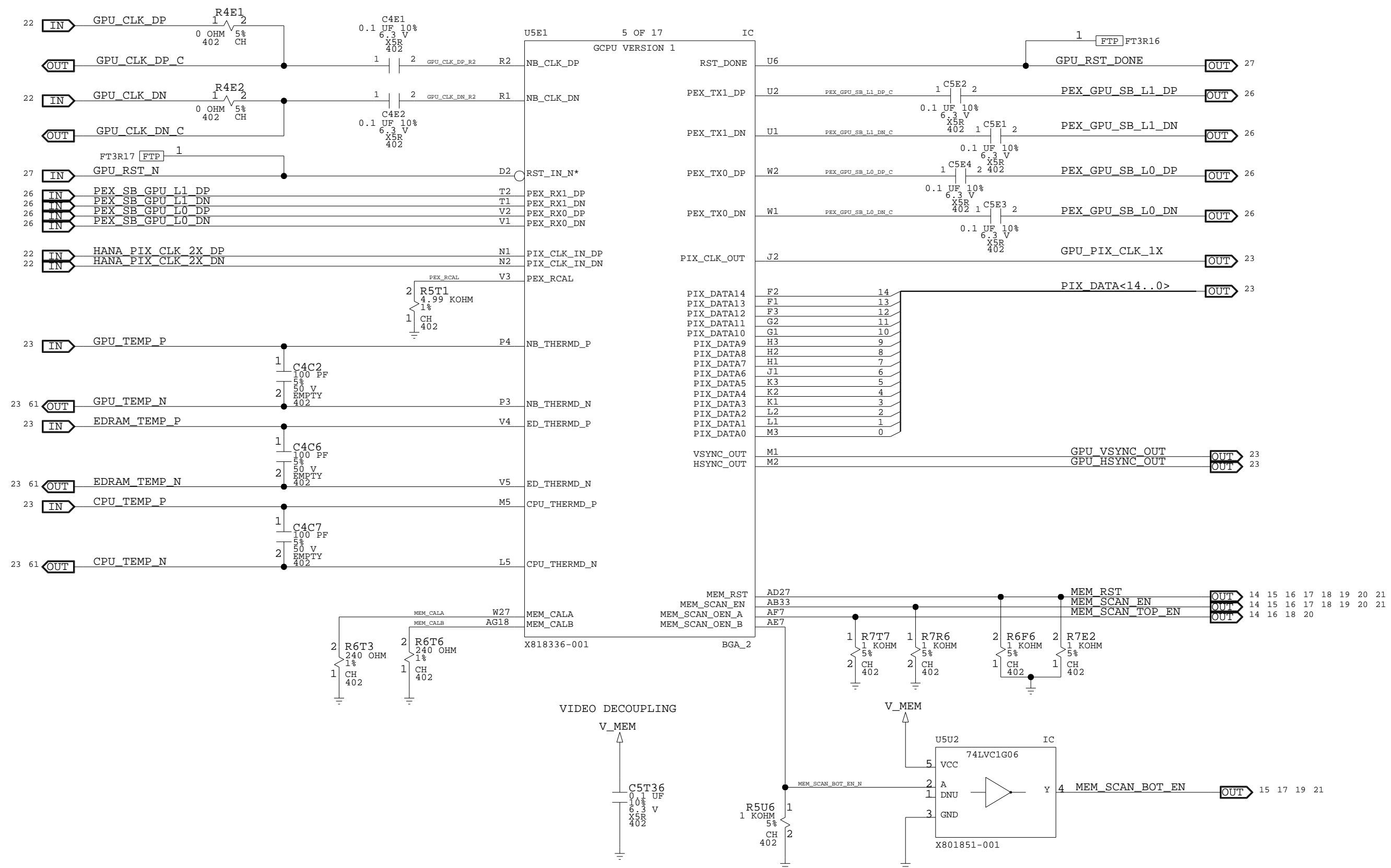
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# GCPU, DEBUG BUS



8 7 6 5 4 3 2 1

# GCPU, VIDEO + PCIEEX



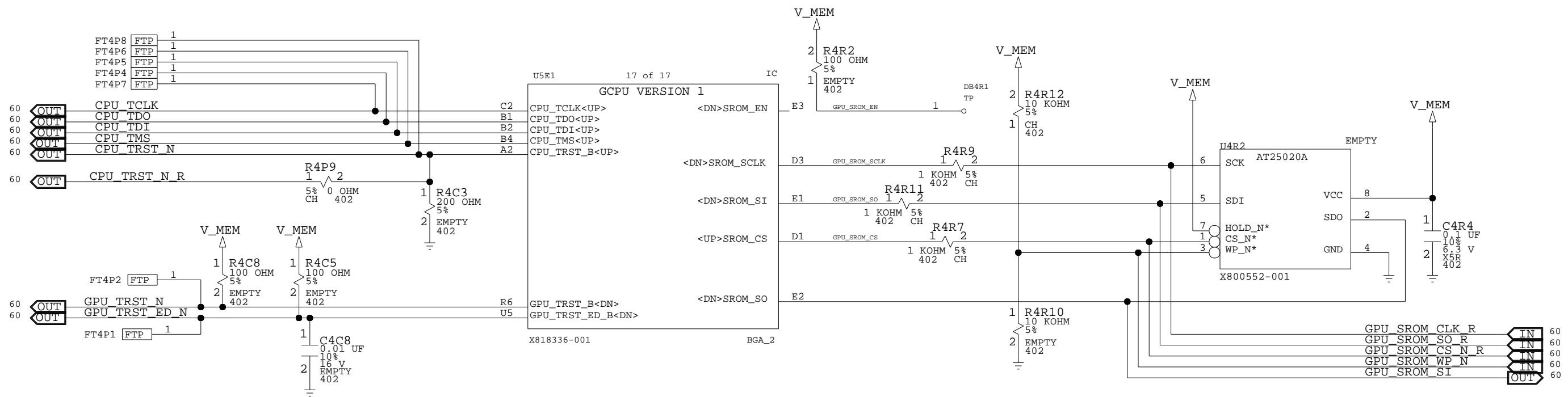
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Wed Feb 10 16:23:24 2010

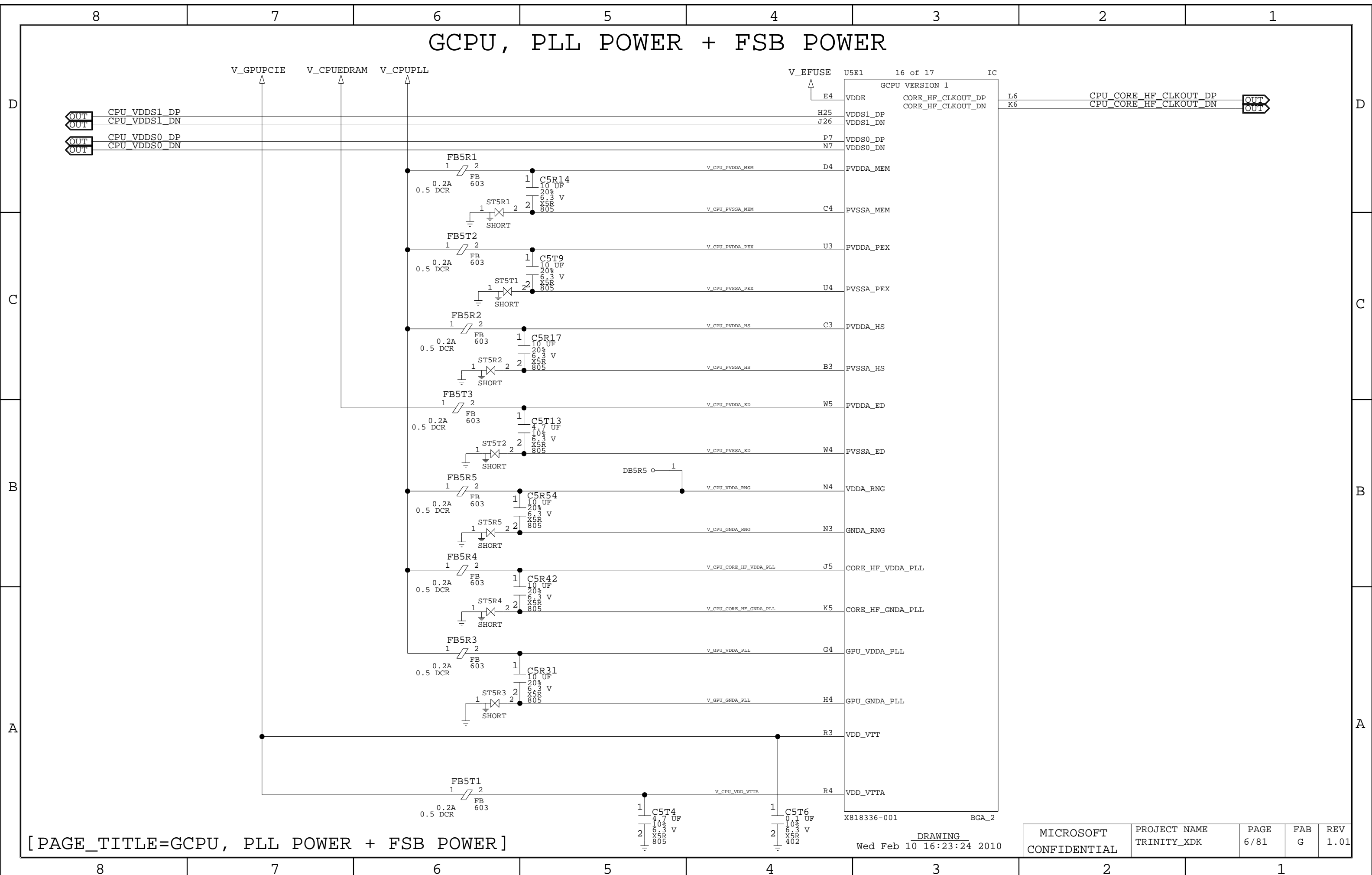
MICROSOFT CONFIDENTIAL	PROJECT NAME TRINITY_XDK	PAGE 4/81	FAB G	REV 1.01
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8 7 6 5 4 3 2 1

# GCPU, EEPROM + JTAG



# GCPU, PLL POWER + FSB POWER

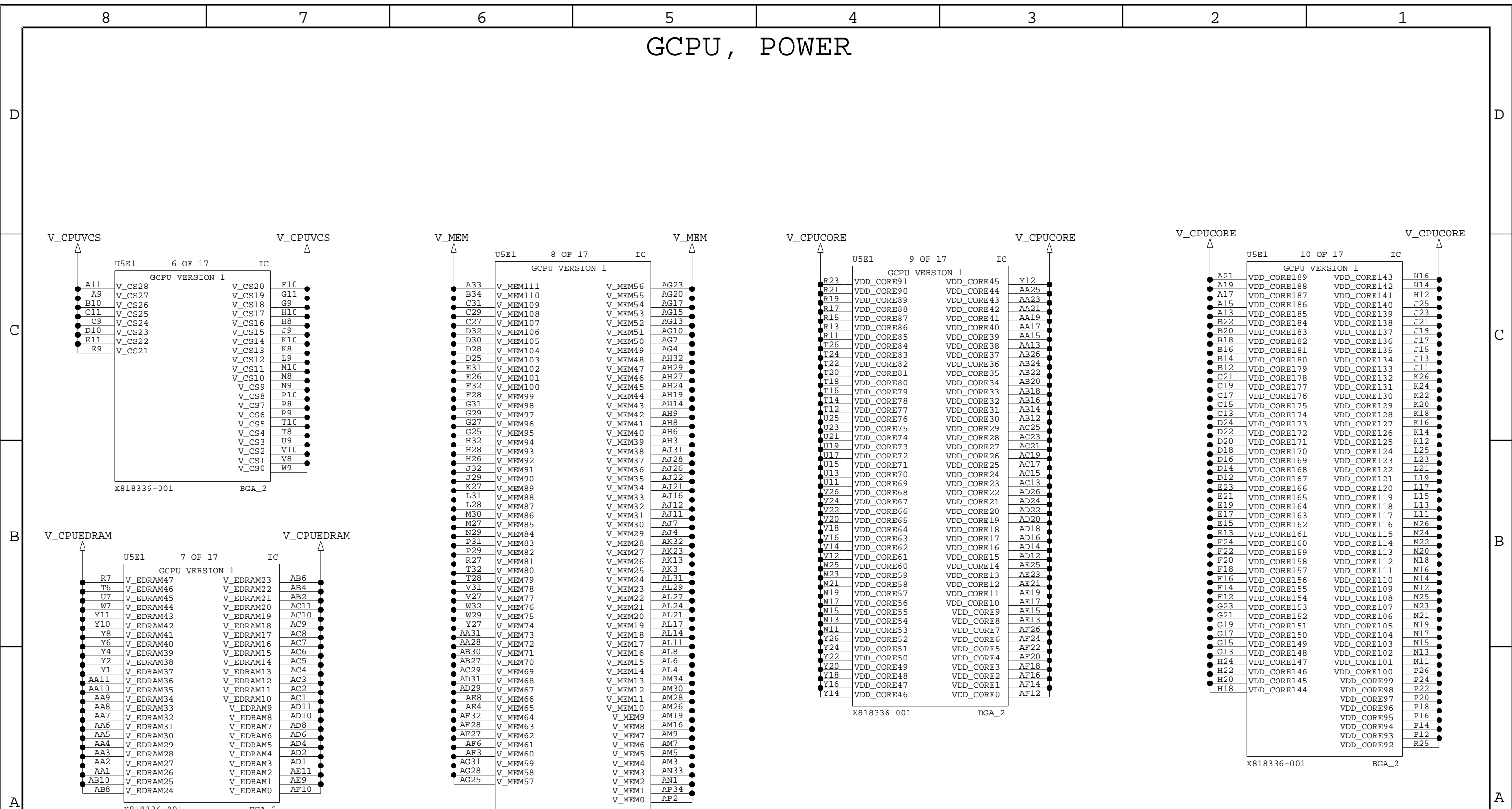


[PAGE\_TITLE=GCPU, PLL POWER + FSB POWER]

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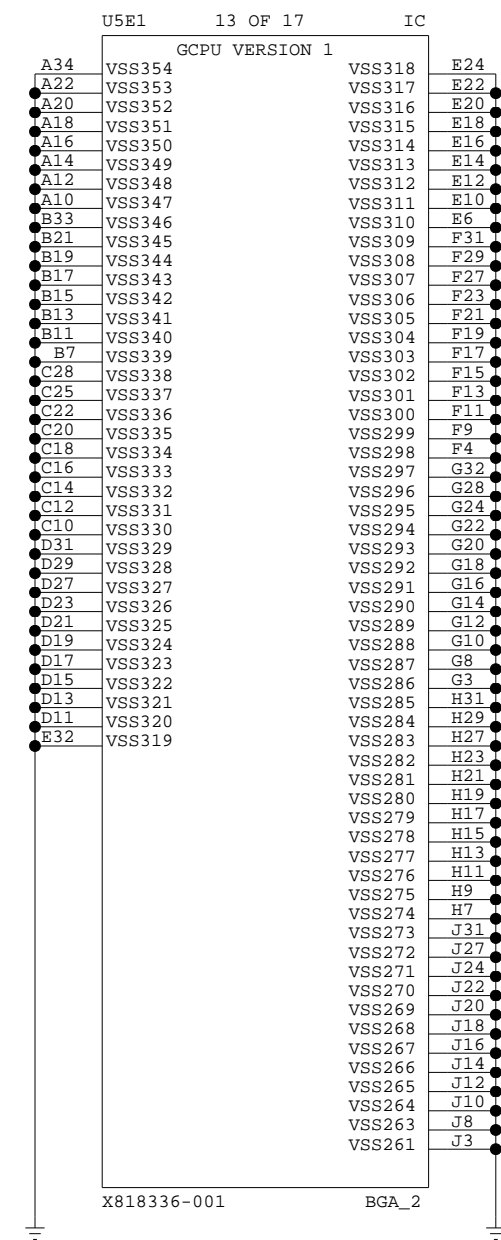
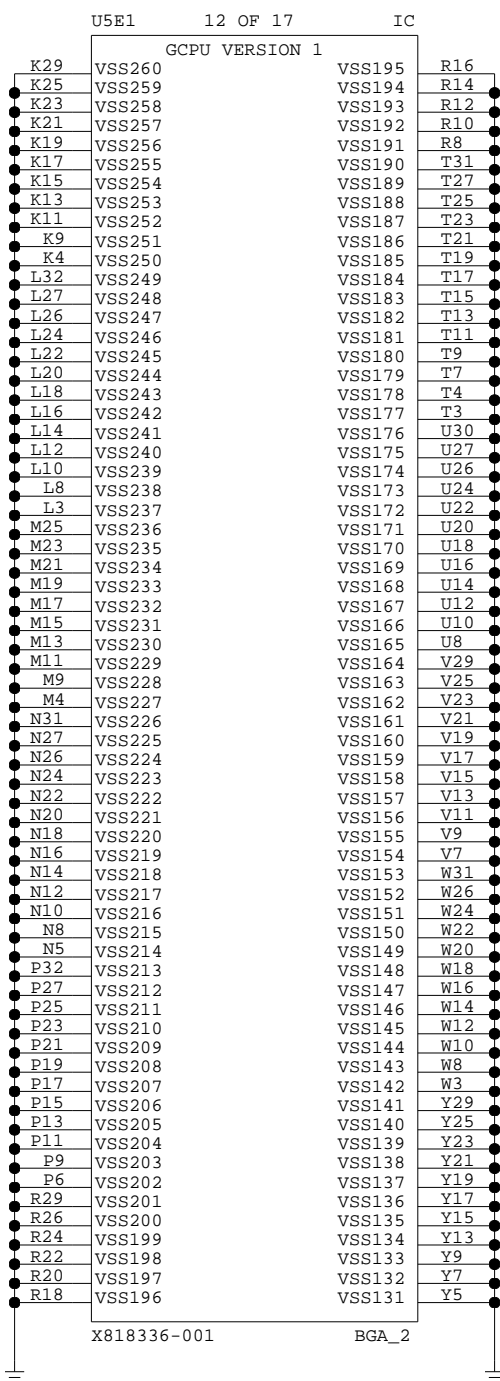
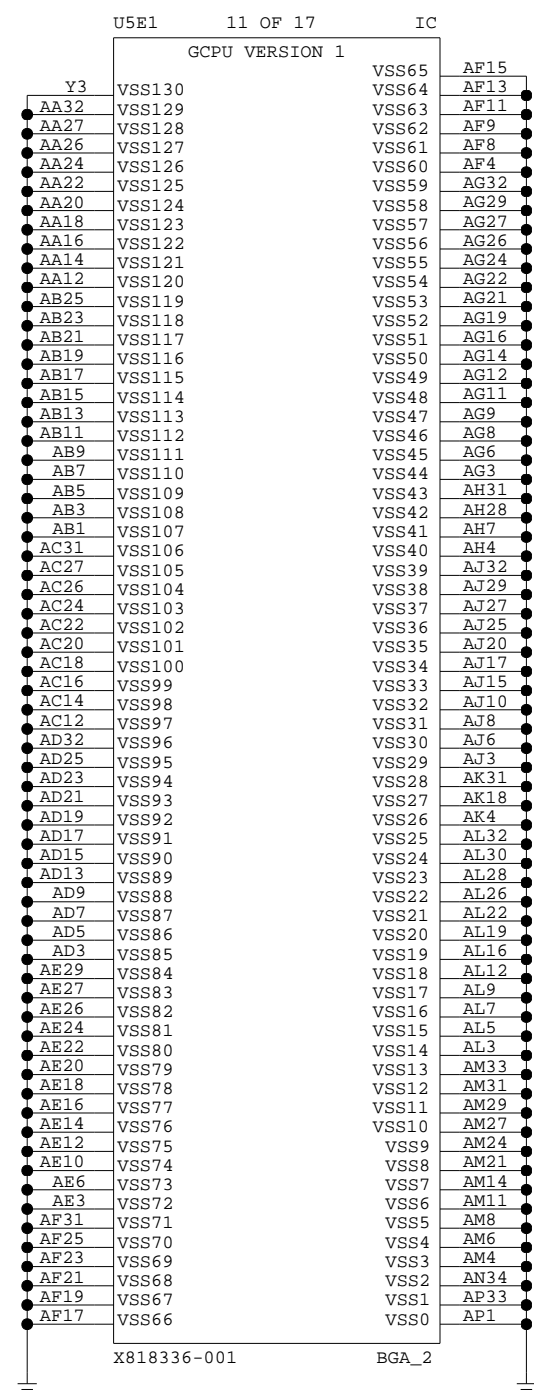
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# GCPU, POWER



8 7 6 5 4 3 2 1

# GCPU, POWER

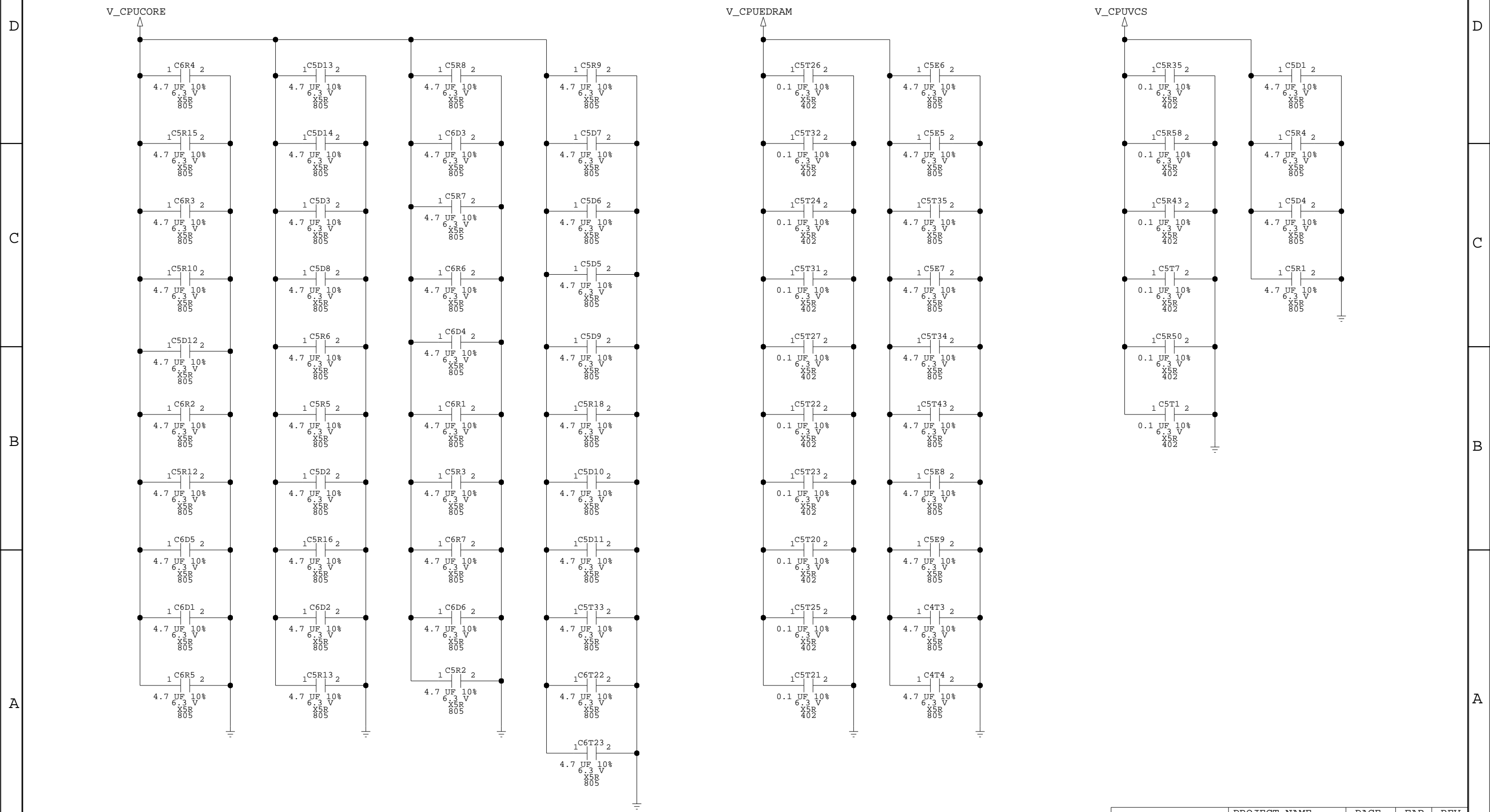


8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1

# GCPU, DECOUPLING



[PAGE\_TITLE=GCPU, DECOUPLING]

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8 7 6 5 4 3 2 1

8

7

6

5

4

3

2

1

# GCPU, DECOUPLING

V\_CPUCORE

D

D

C

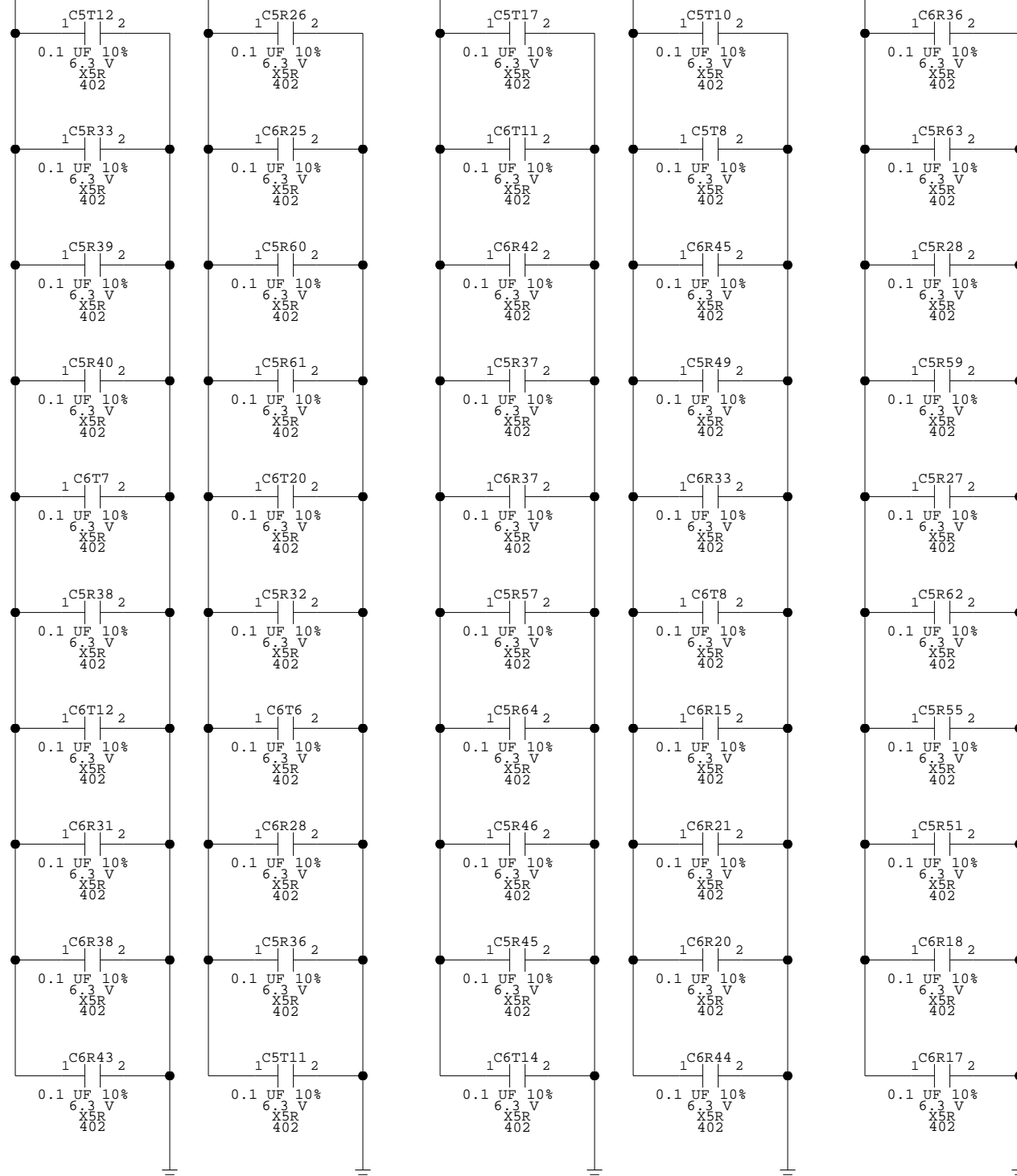
C

B

B

A

A



8

7

6

5

4

3

2

1

8

7

6

5

4

3

2

1

# GCPU, DECOUPLING

D

D

C

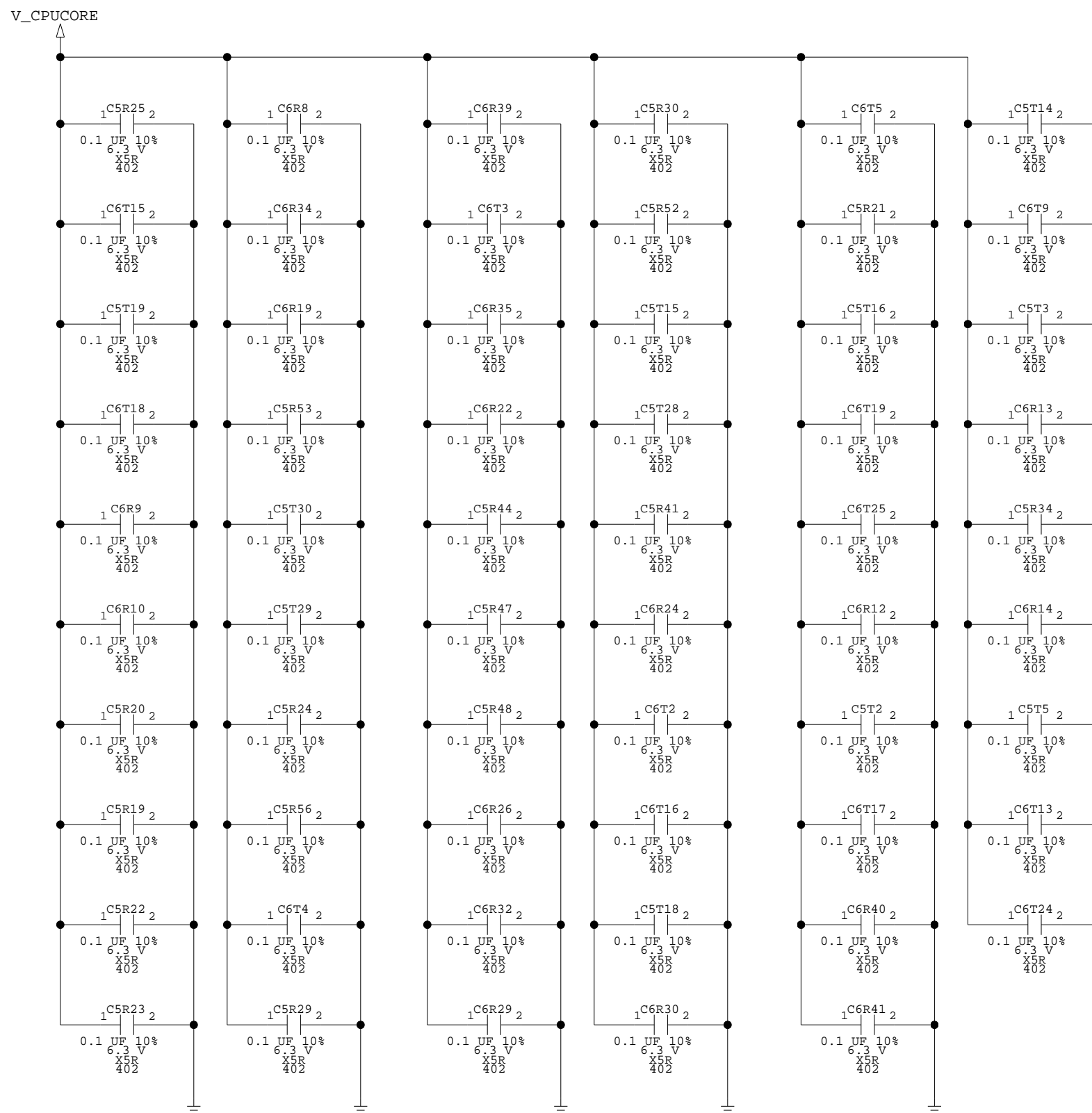
C

B

B

A

A



8

7

6

5

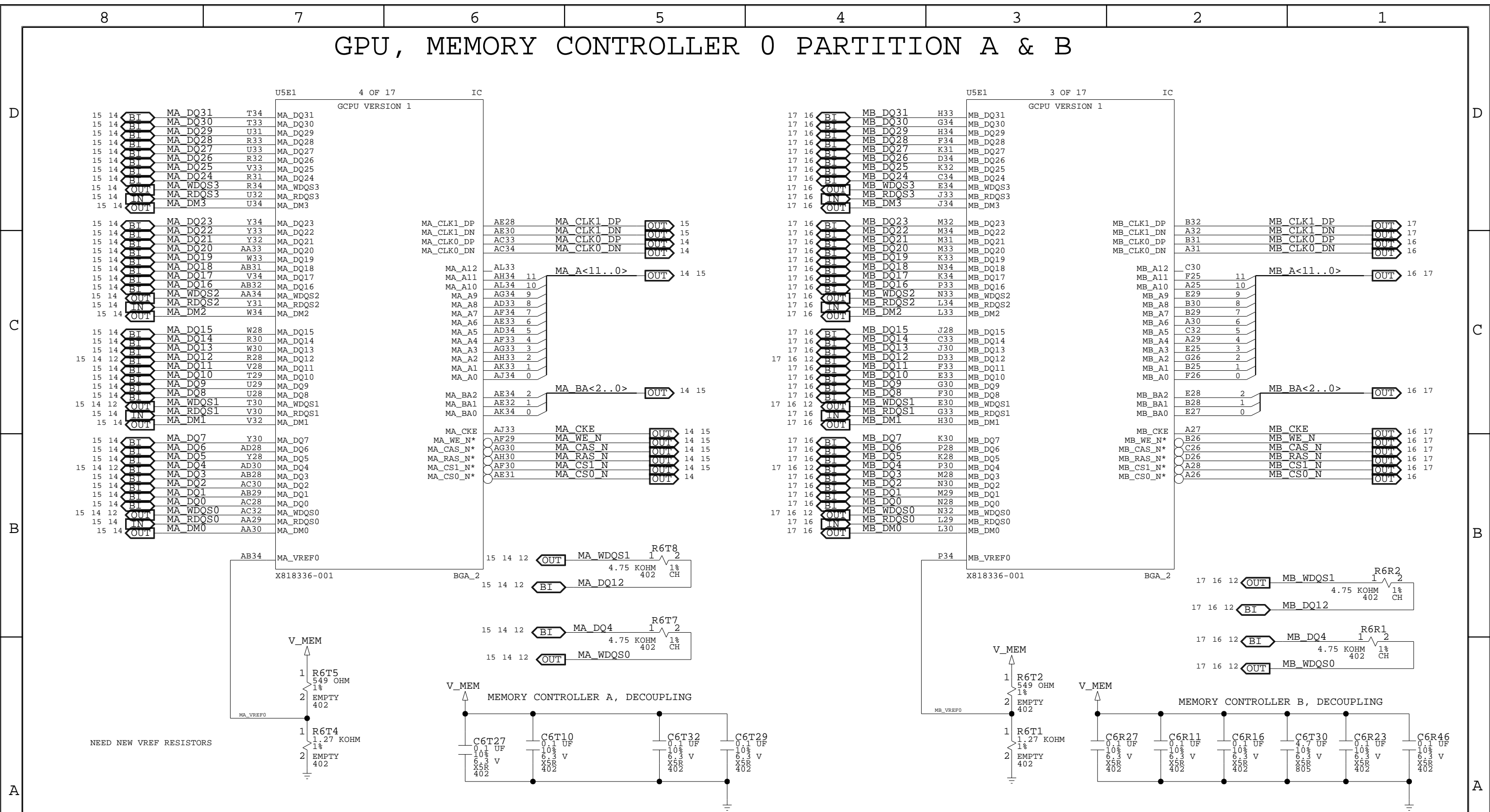
4

3

2

1

# GPU, MEMORY CONTROLLER 0 PARTITION A & B

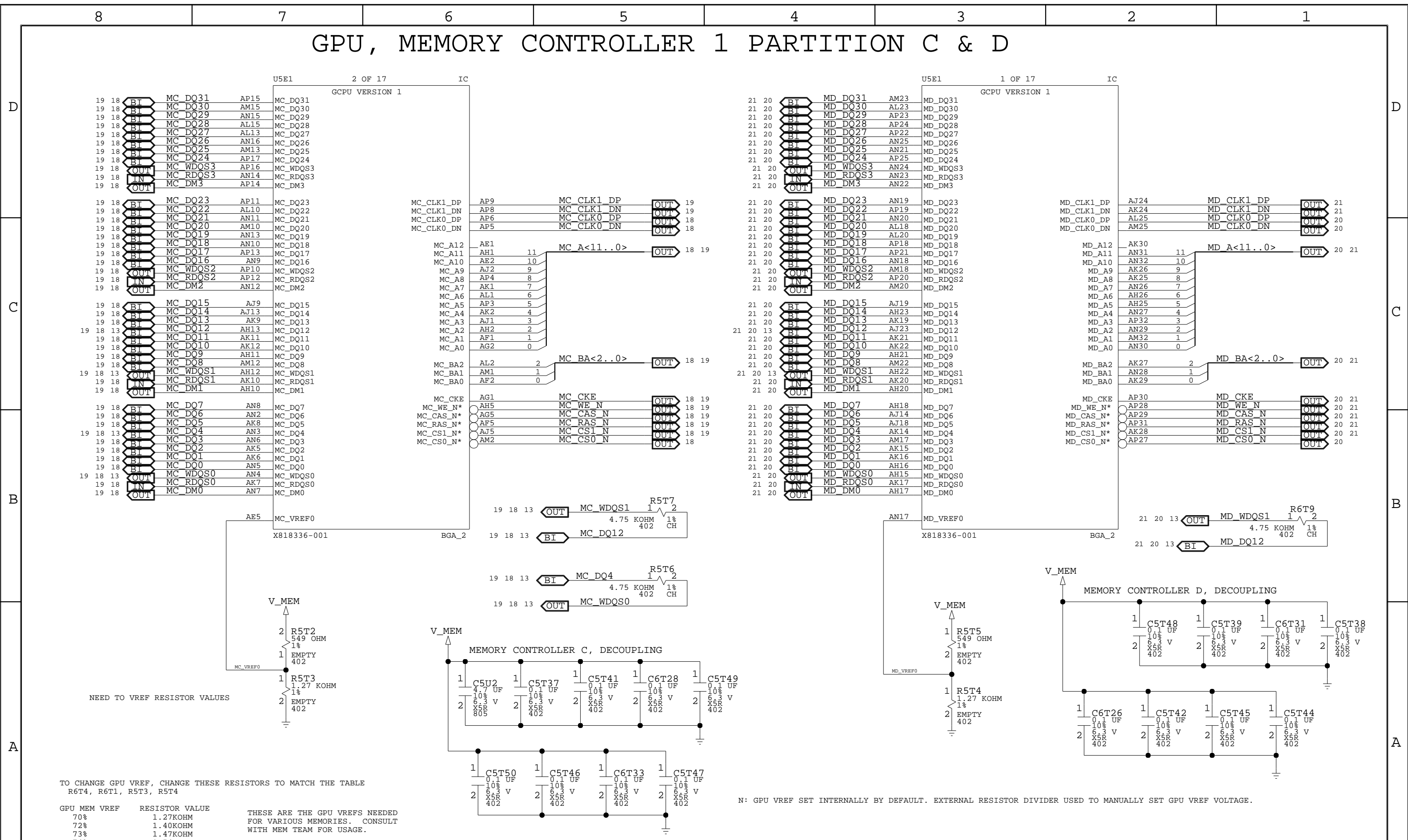


TO CHANGE GPU VREF, CHANGE THESE RESISTORS TO MATCH THE TABLE  
R6T4, R6T1, R5T3, R5T4

MEM VREF	RESISTOR VALUE	THESE ARE THE GPU VREFS NEEDED FOR VARIOUS MEMORIES. CONSULT WITH MEM TEAM FOR USAGE.
70%	1.27KOHM	
72%	1.40KOHM	
73%	1.47KOHM	
74%	1.54KOHM	

N: GPU VREF SET INTERNALLY BY DEFAULT. EXTERNAL RESISTOR DIVIDER USED TO MANUALLY SET GPU VREF VOLTAGE.

# GPU, MEMORY CONTROLLER 1 PARTITION C & D



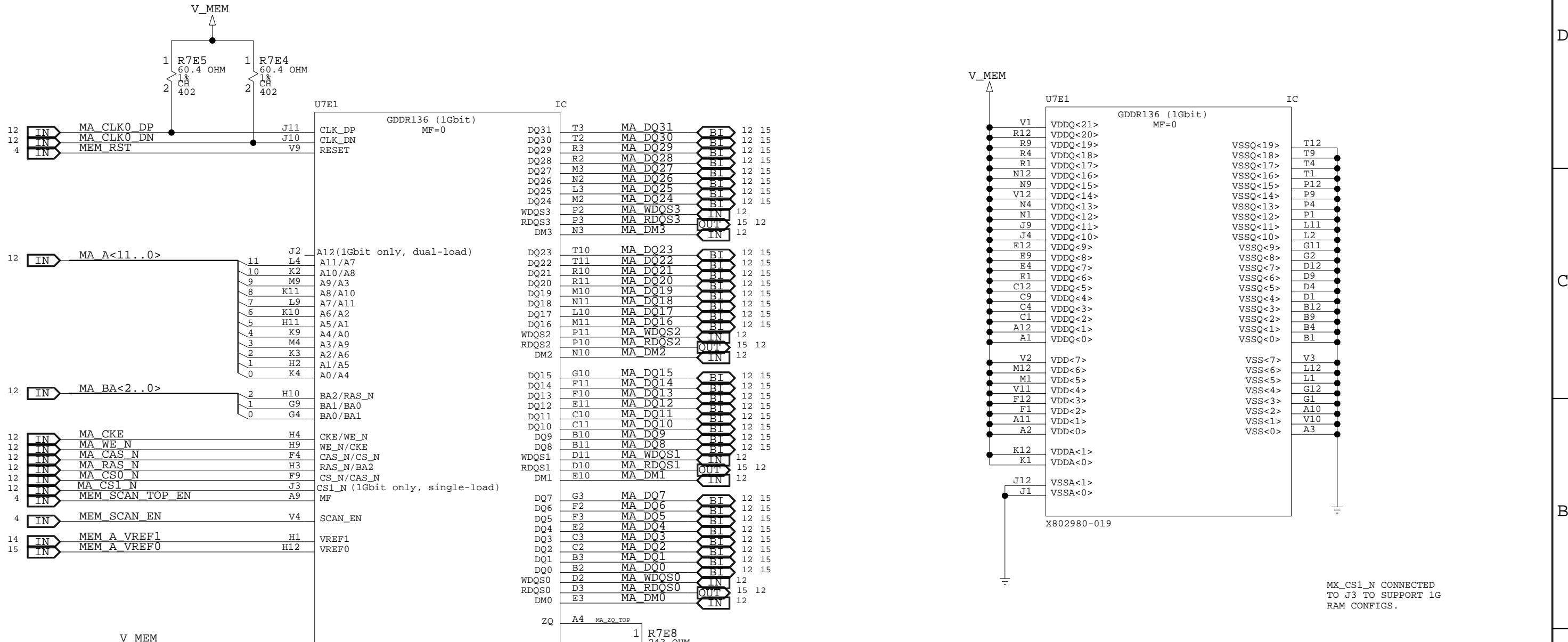
TO CHANGE GPU VREF, CHANGE THESE RESISTORS TO MATCH THE TABLE  
R6T4, R6T1, R5T3, R5T4

GPU MEM VREF	RESISTOR VALUE	THESE ARE THE GPU VREFS NEEDED FOR VARIOUS MEMORIES. CONSULT WITH MEM TEAM FOR USAGE.
70%	1.27KOHM	
72%	1.40KOHM	
73%	1.47KOHM	
74%	1.54KOHM	

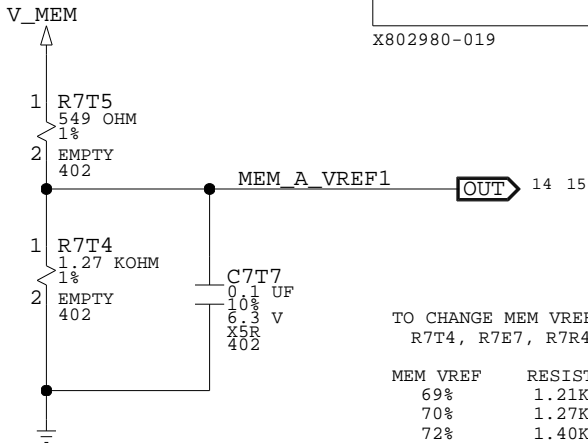
N: GPU VREF SET INTERNALLY BY DEFAULT. EXTERNAL RESISTOR DIVIDER USED TO MANUALLY SET GPU VREF VOLTAGE.

# MEMORY PARTITION A, TOP

CHIP SELECT = 0, MIRROR FUNCTION = 0



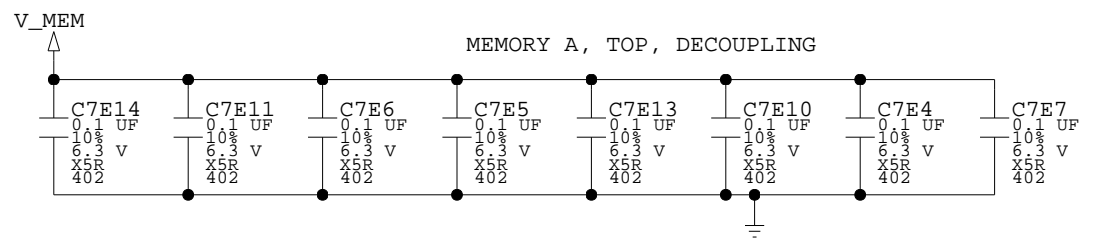
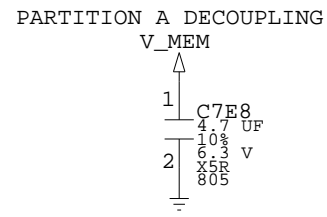
MX\_CS1\_N CONNECTED TO J3 TO SUPPORT 1G RAM CONFIGS.



TO CHANGE MEM VREF, CHANGE THESE RESISTORS TO MATCH THE TABLE  
 R7T4, R7E7, R7R4, R7D5, R5U4, R5F2, R6U4, R6F2

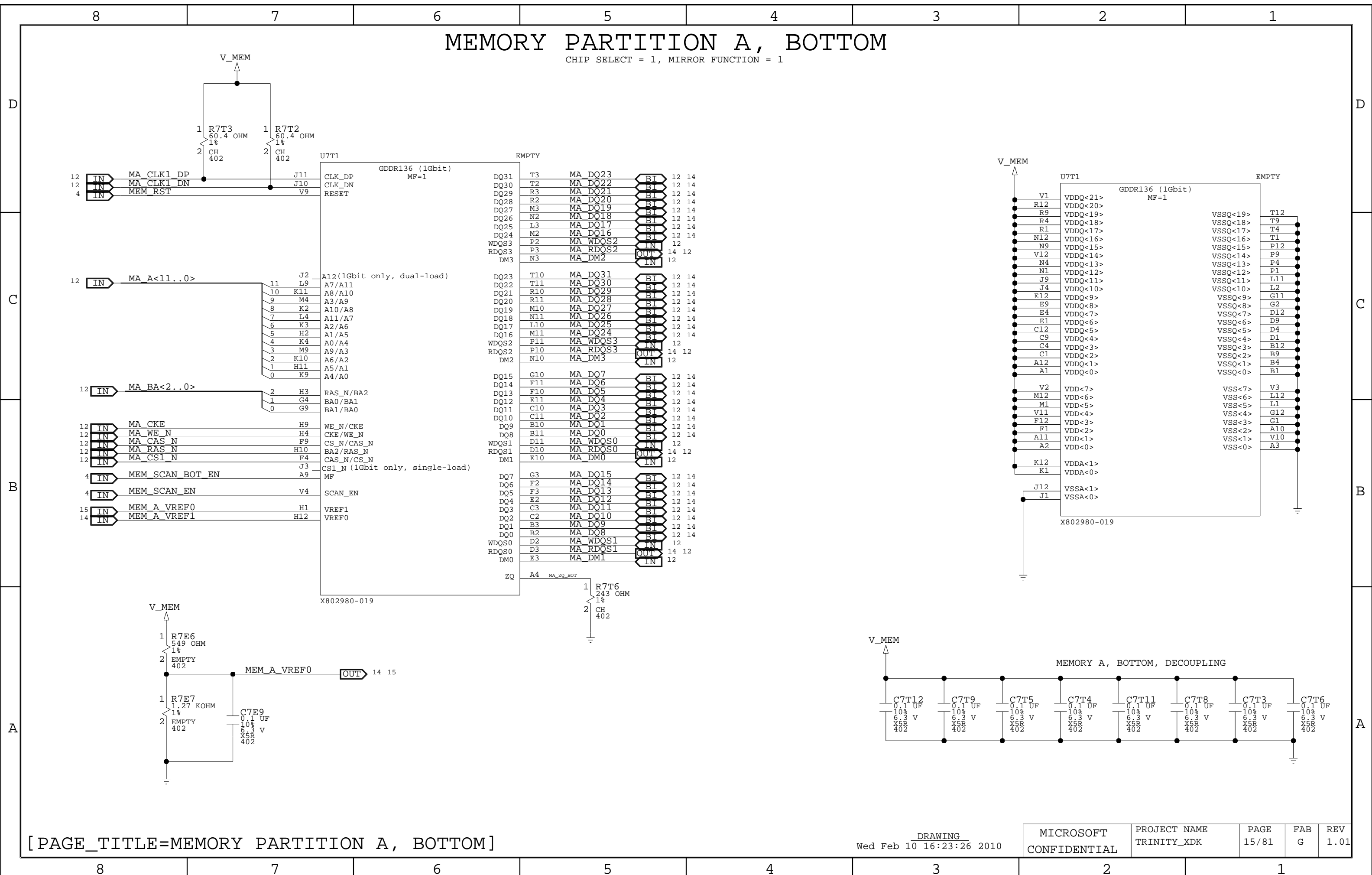
MEM VREF	RESISTOR VALUE
69%	1.21KOHM
70%	1.27KOHM
72%	1.40KOHM

THESE ARE THE MEM VREFS NEEDED FOR VARIOUS MEMORIES. CONSULT WITH MEM TEAM FOR USAGE.



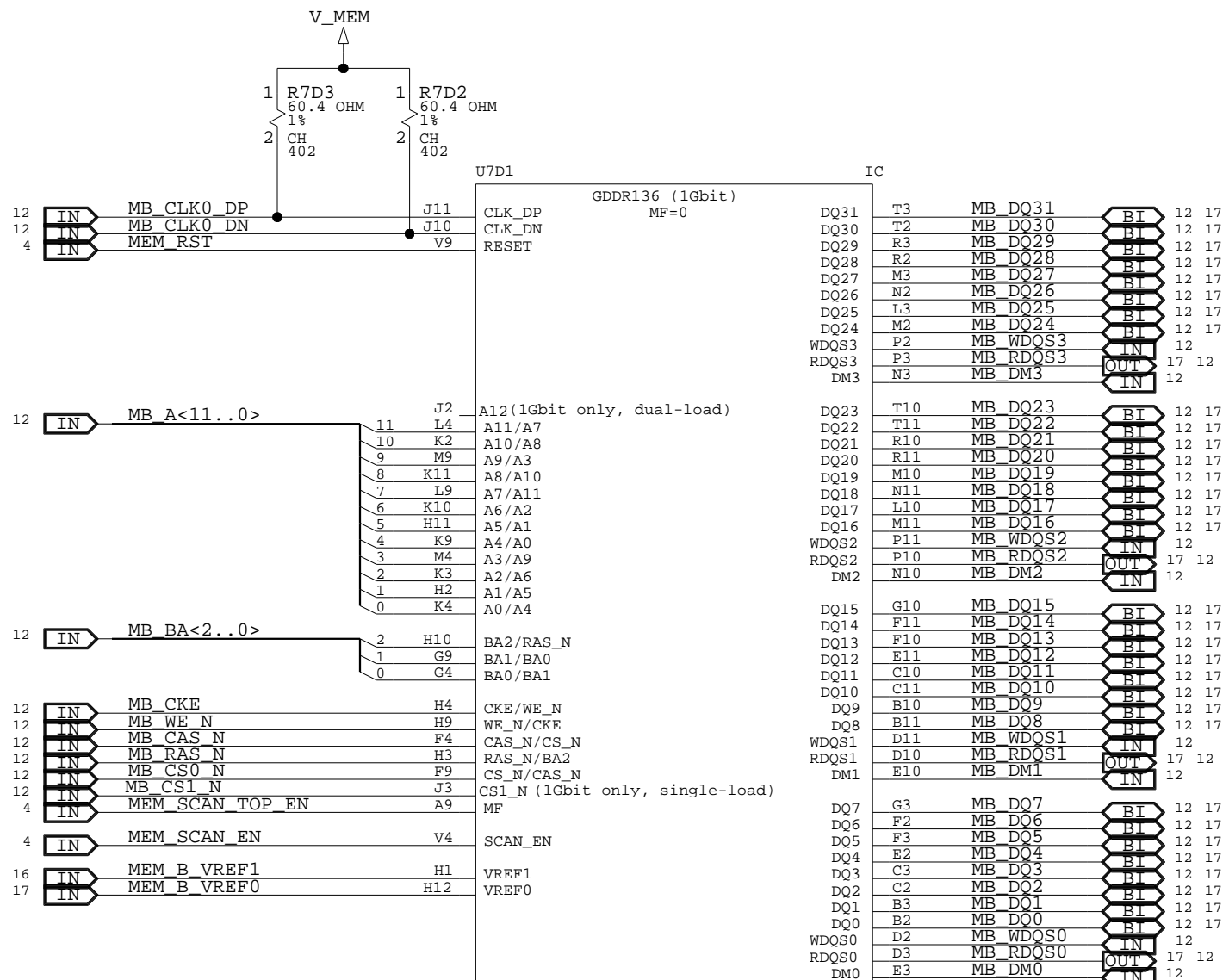
# MEMORY PARTITION A, BOTTOM

CHIP SELECT = 1, MIRROR FUNCTION = 1

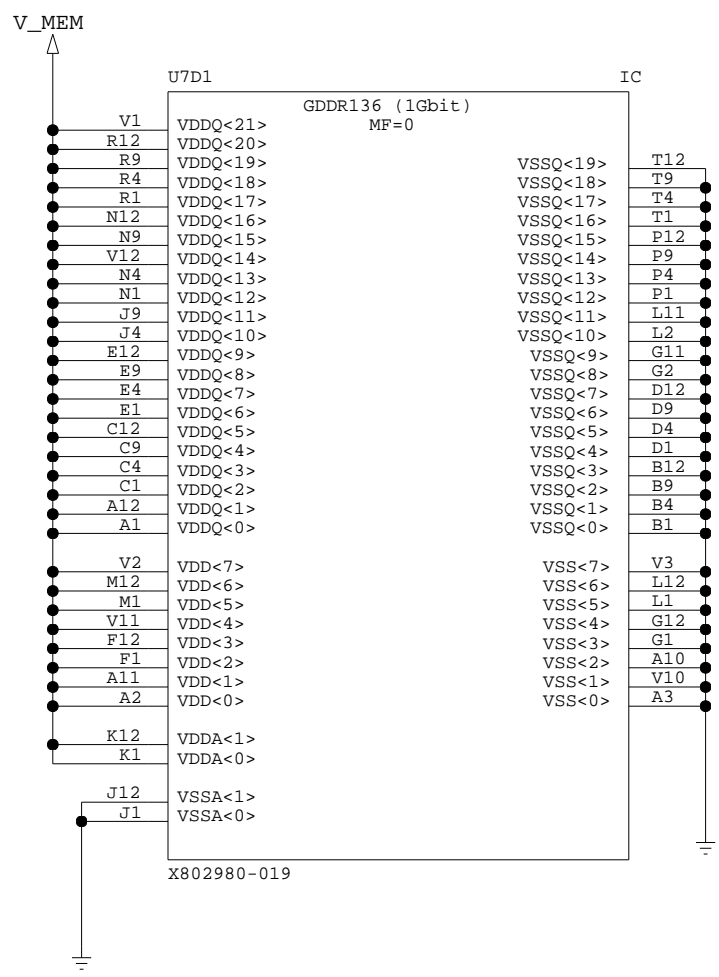
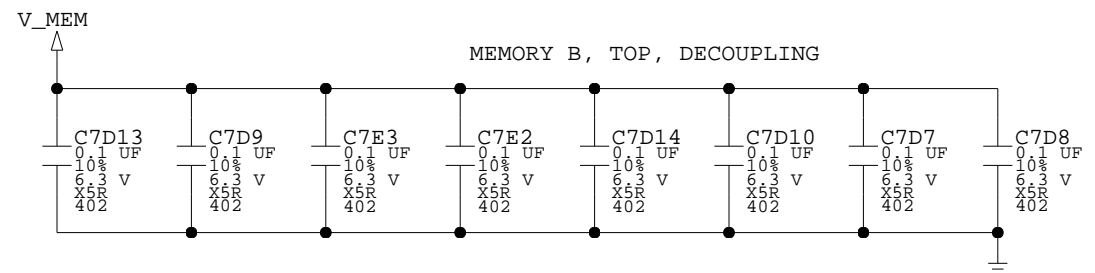
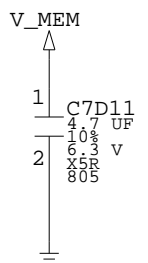


# MEMORY PARTITION B, TOP

CHIP SELECT = 0, MIRROR FUNCTION = 0



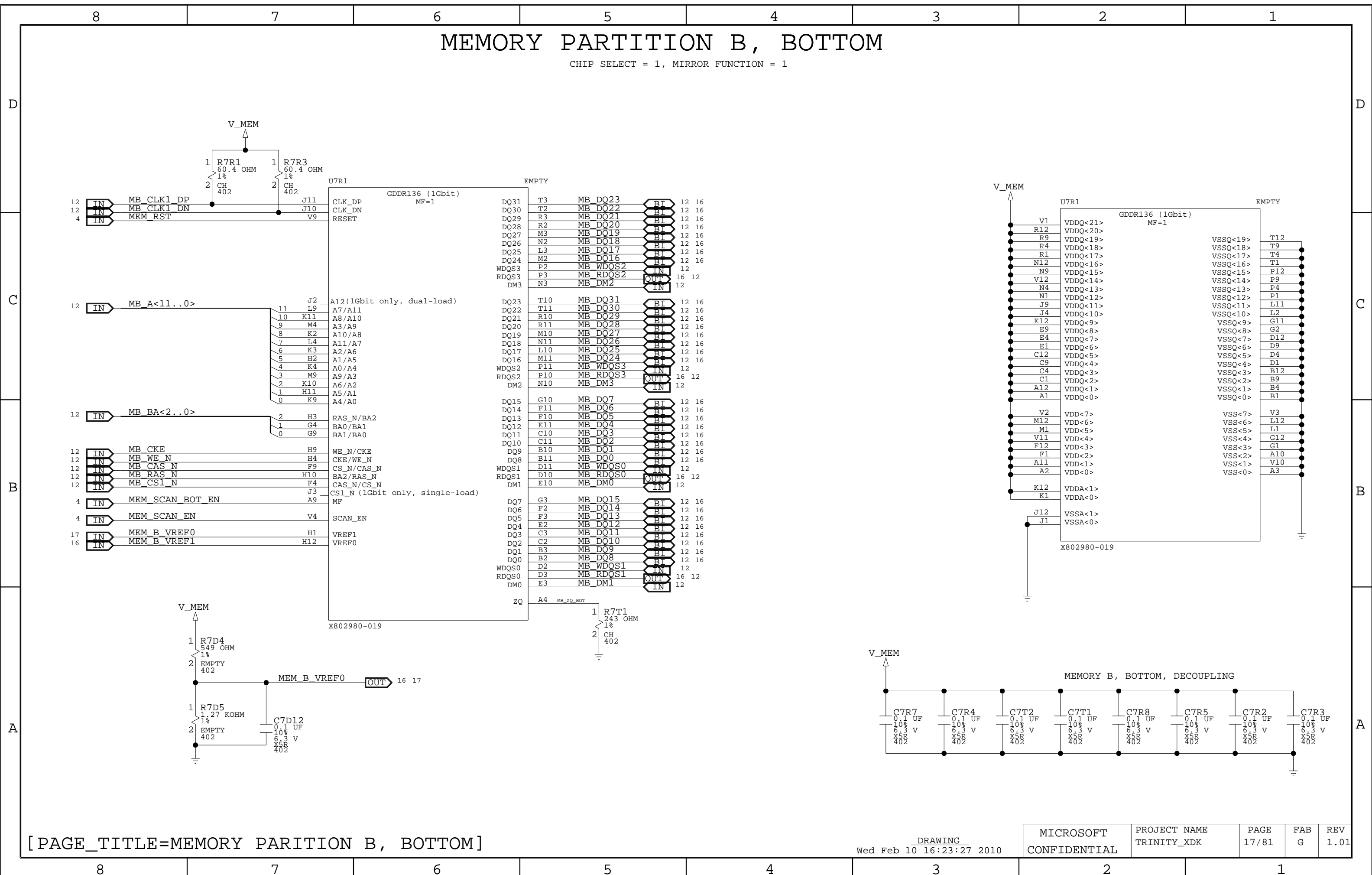
### PARTITION B DECOUPLING





# MEMORY PARTITION B, BOTTOM

CHIP SELECT = 1, MIRROR FUNCTION = 1





# MEMORY PARTITION C, BOTTOM

CHIP SELECT = 1, MIRROR FUNCTION = 1

D

D

C

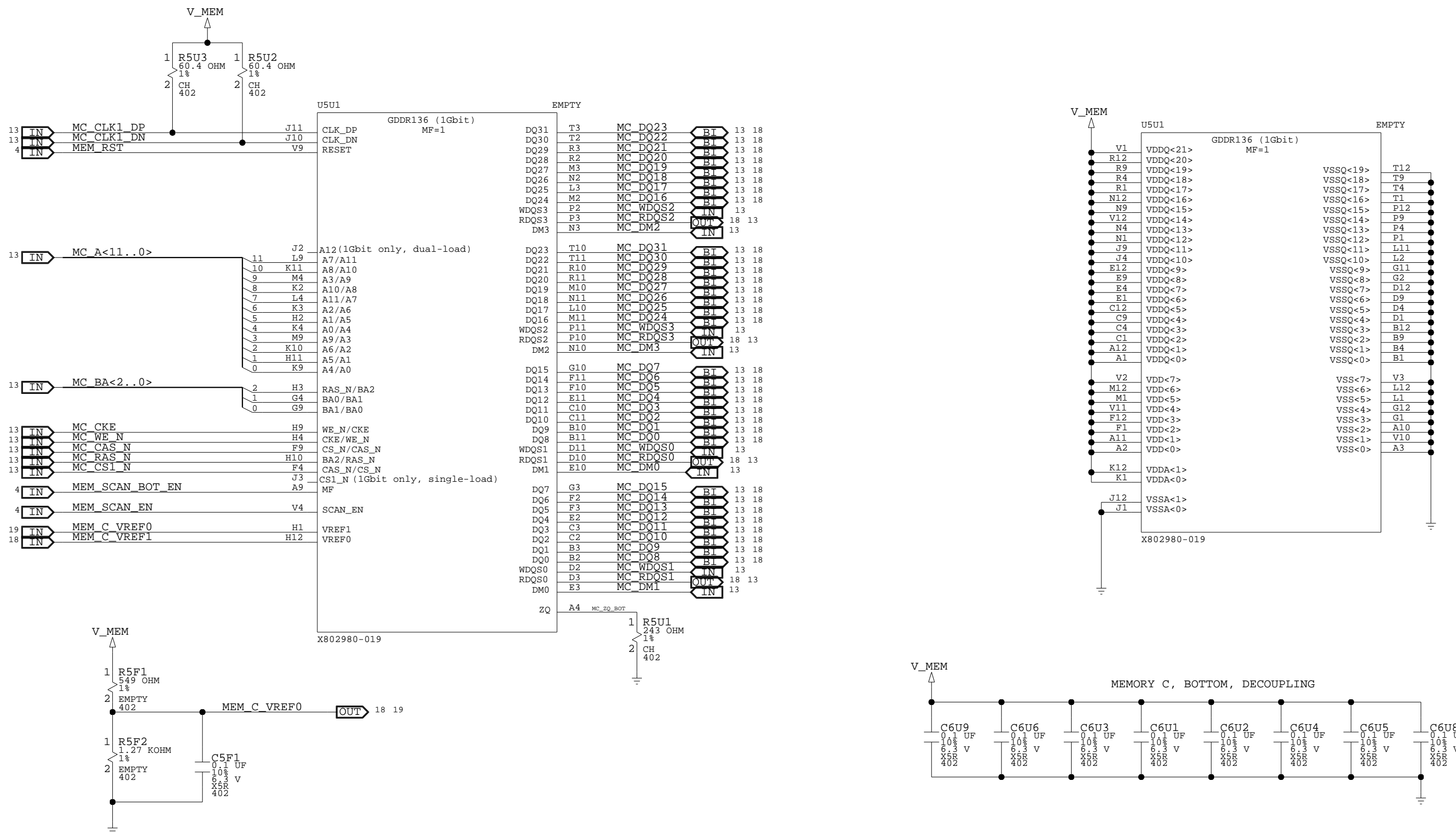
C

B

B

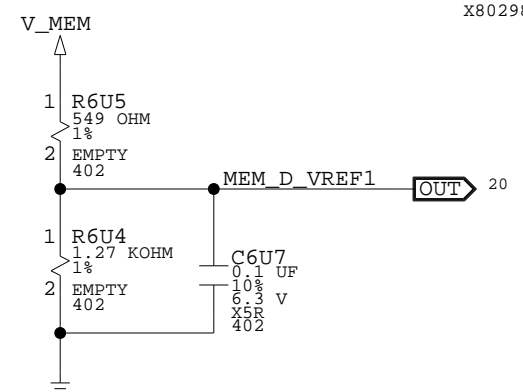
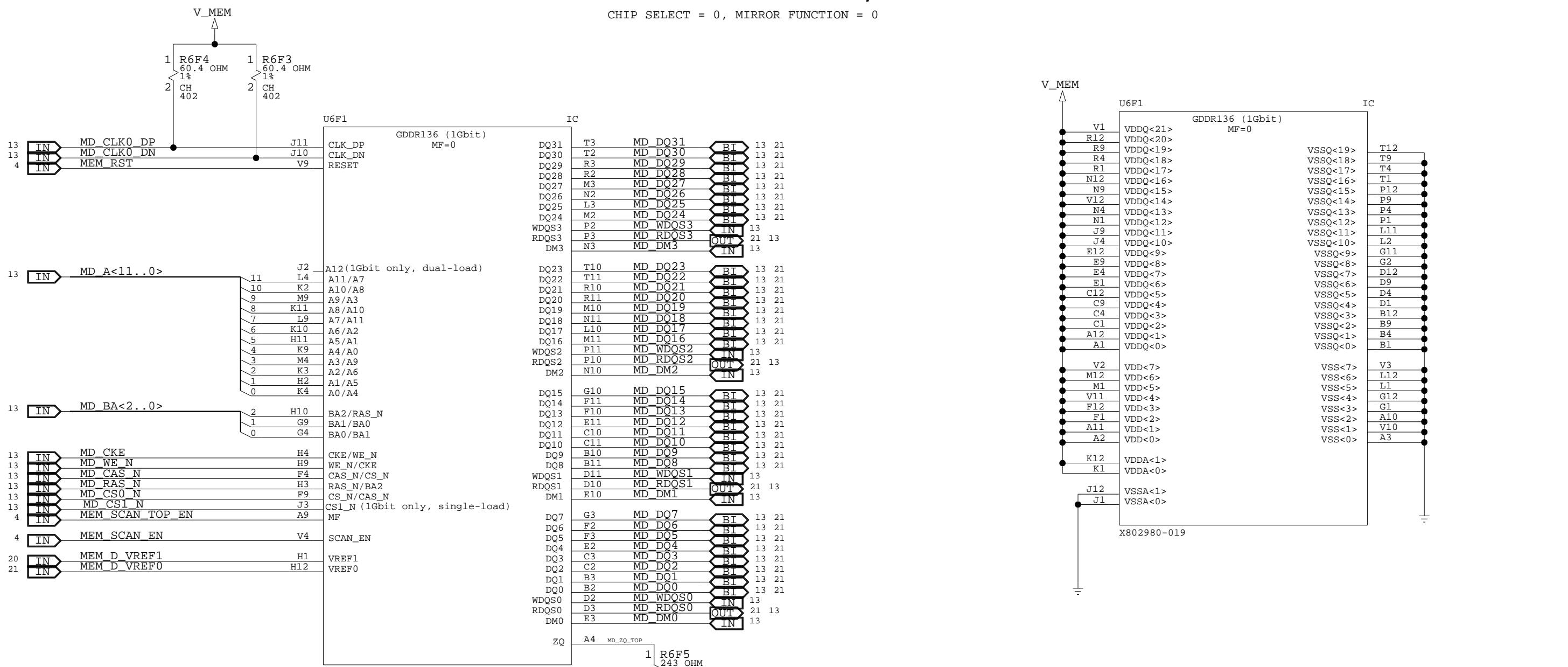
A

A

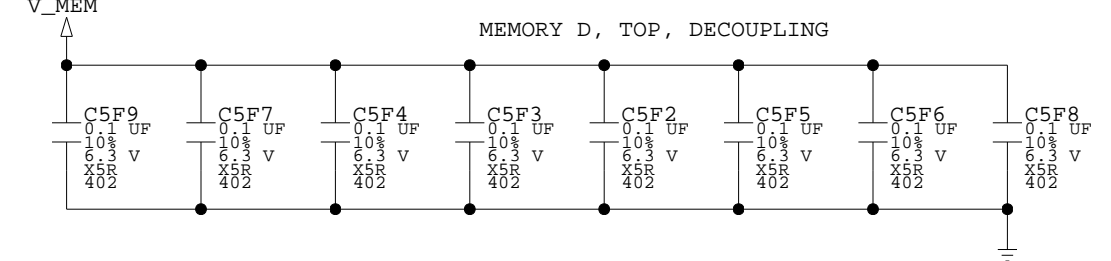
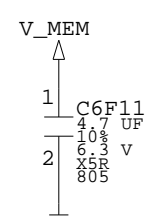


# MEMORY PARTITION D, TOP

CHIP SELECT = 0, MIRROR FUNCTION = 0

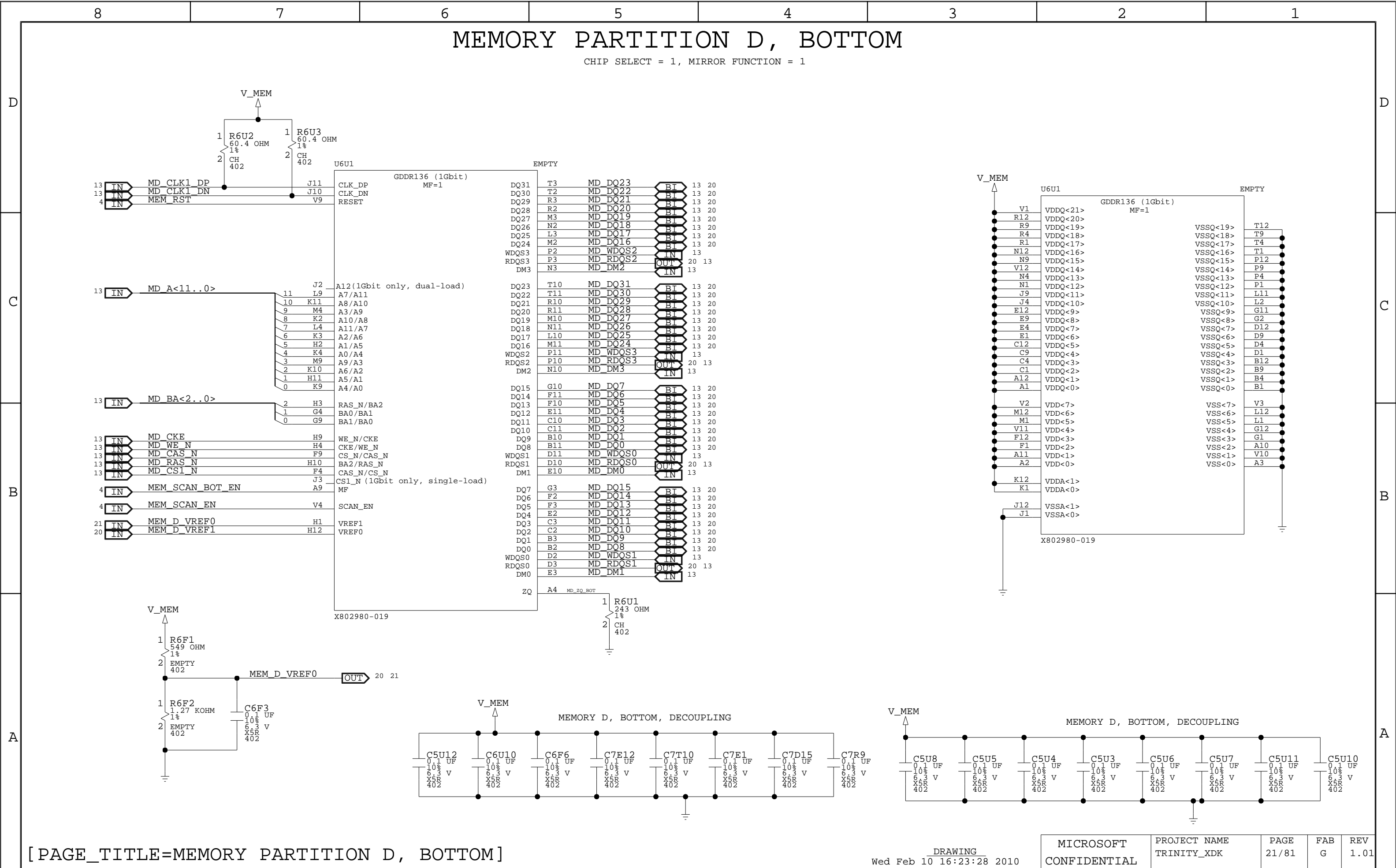


### PARTITION D DECOUPLING



# MEMORY PARTITION D, BOTTOM

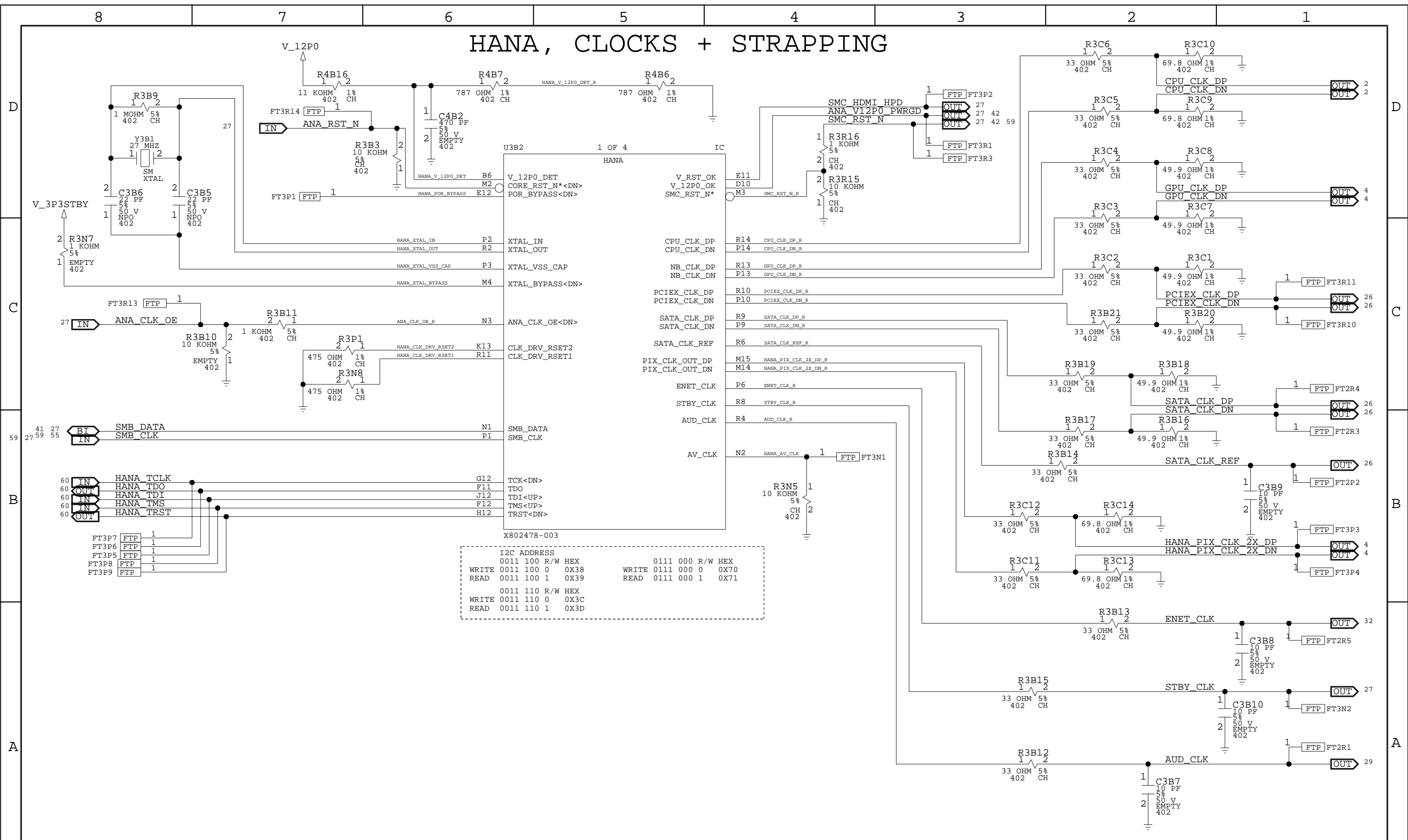
CHIP SELECT = 1, MIRROR FUNCTION = 1



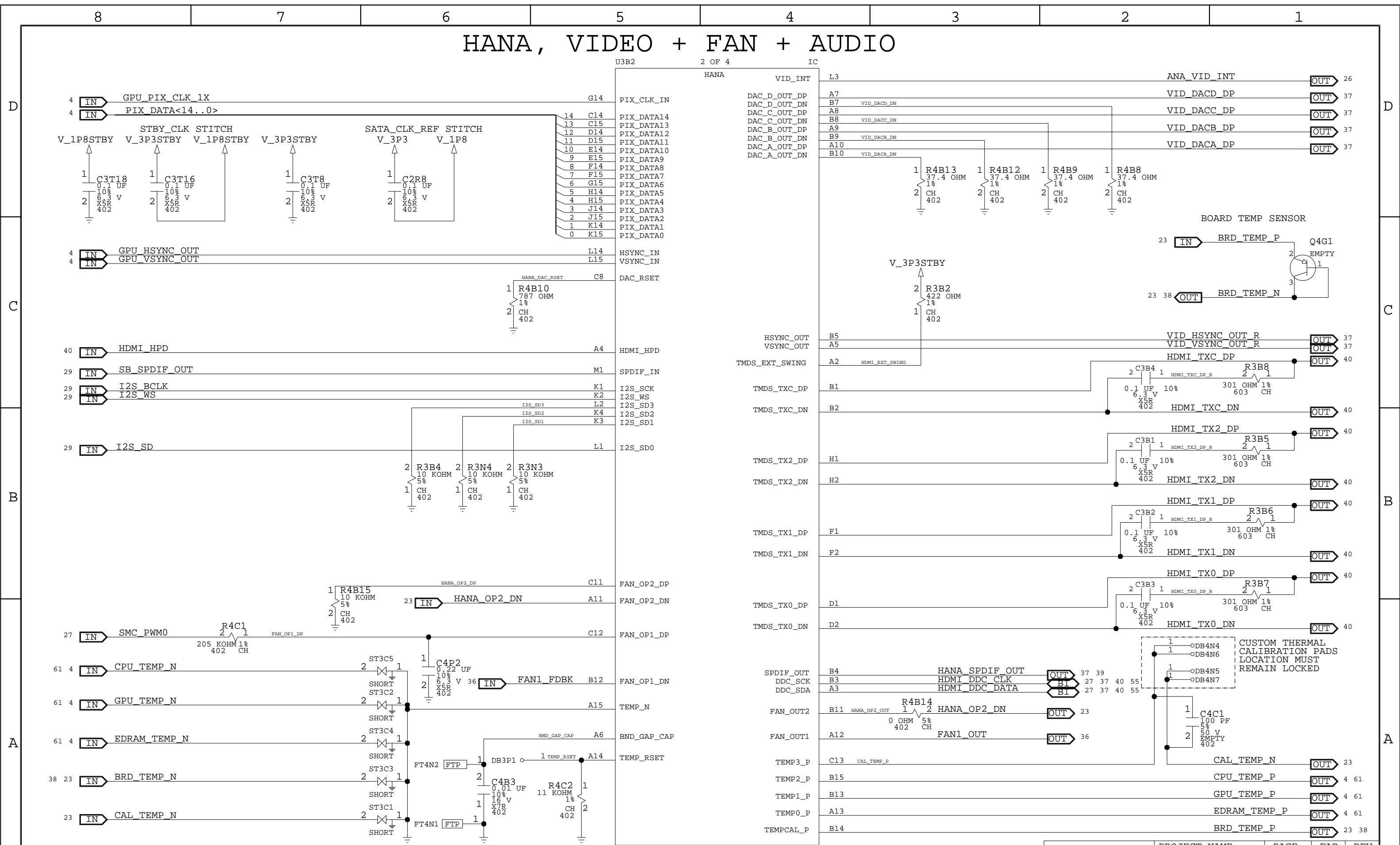
[PAGE\_TITLE=MEMORY PARTITION D, BOTTOM]

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# HANA, VIDEO + FAN + AUDIO



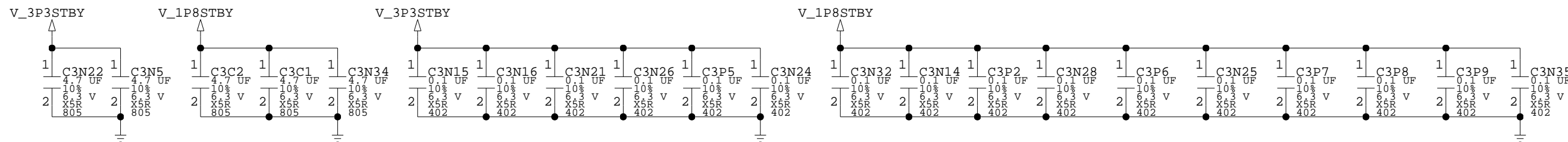
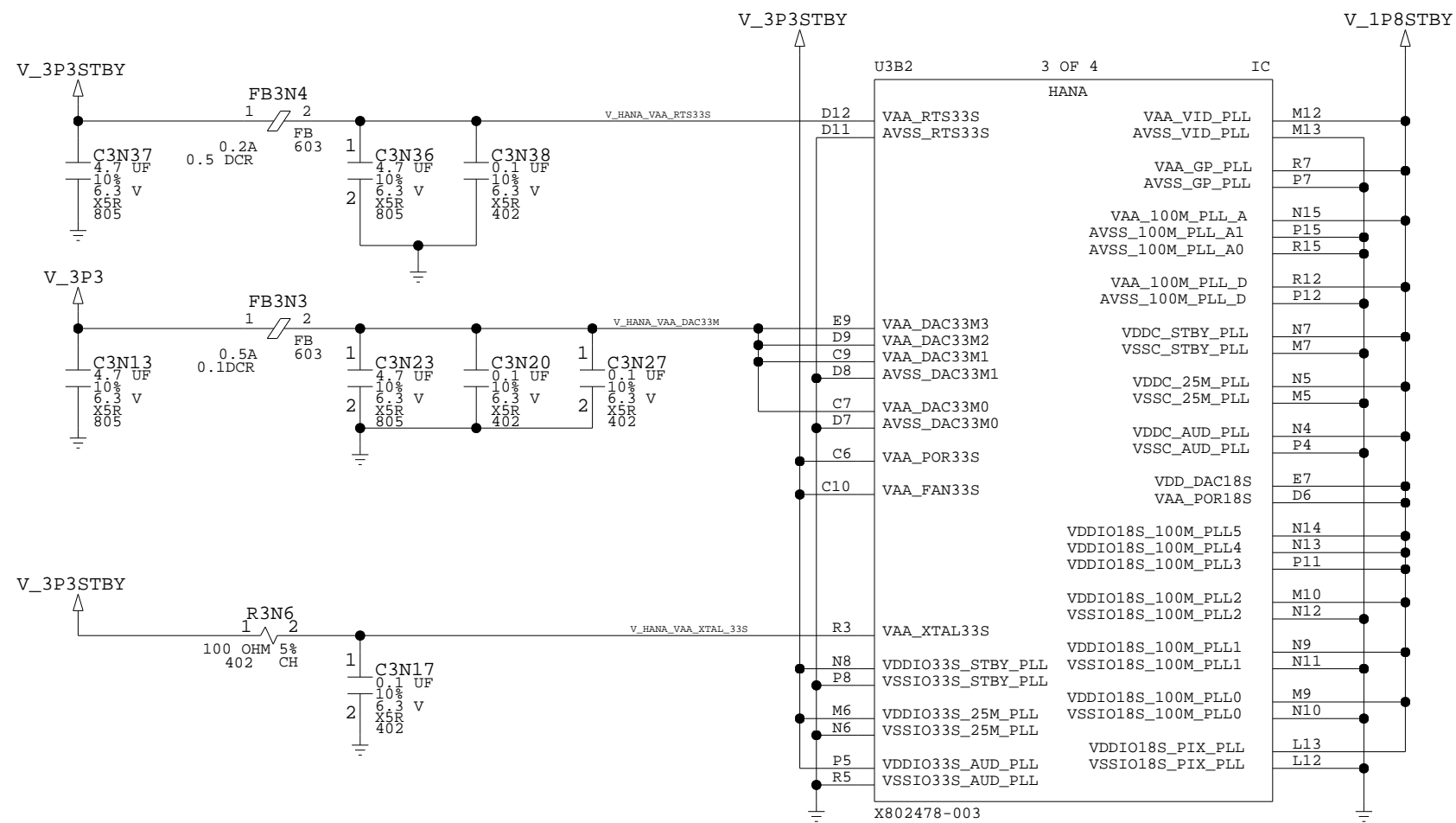
[PAGE\_TITLE=HANA, VIDEO + FAN + AUDIO]

X802478-003

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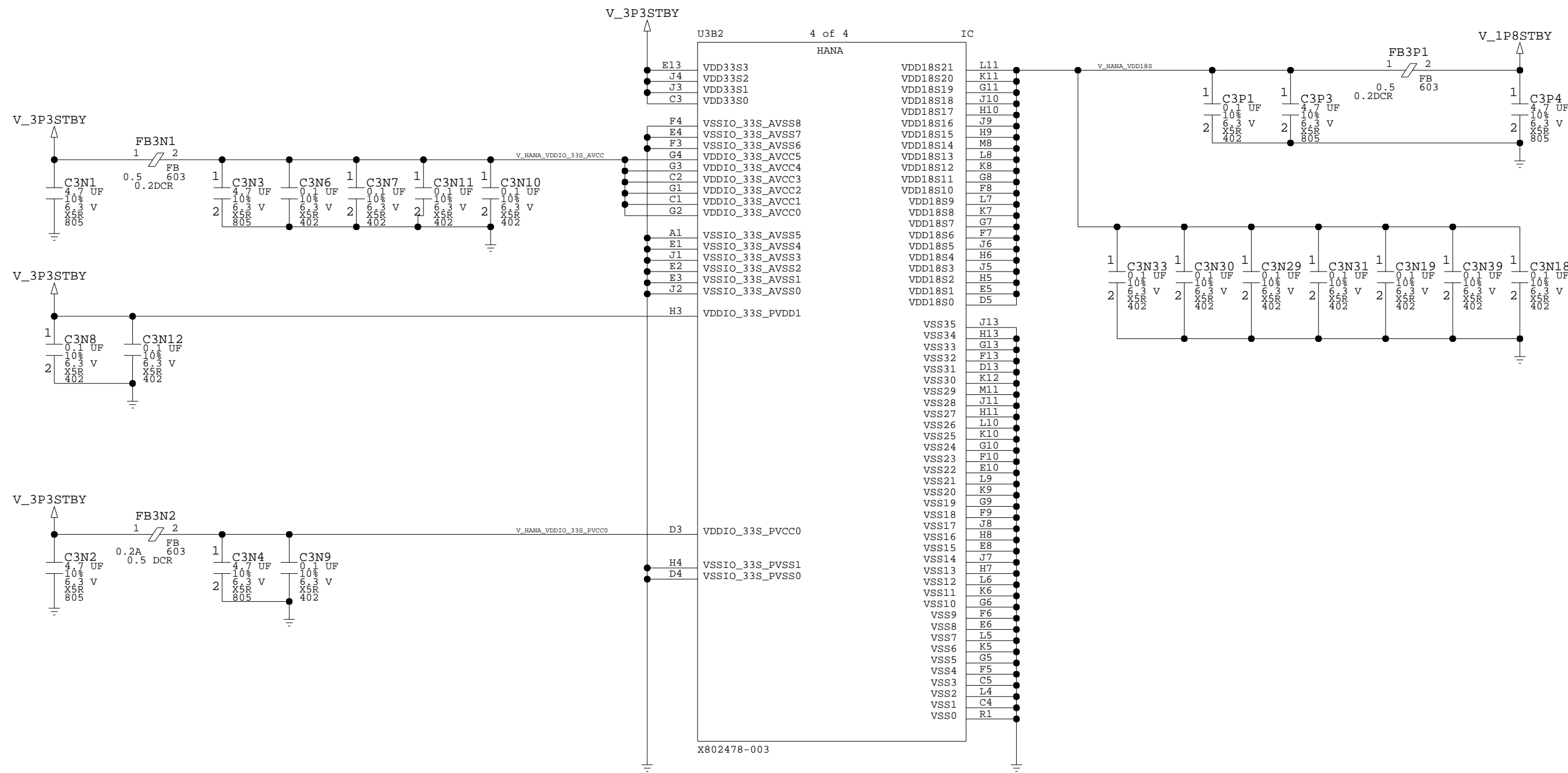
MICROSOFT CONFIDENTIAL	PROJECT NAME TRINITY_XDK	PAGE 23/81	FAB G	REV 1.01
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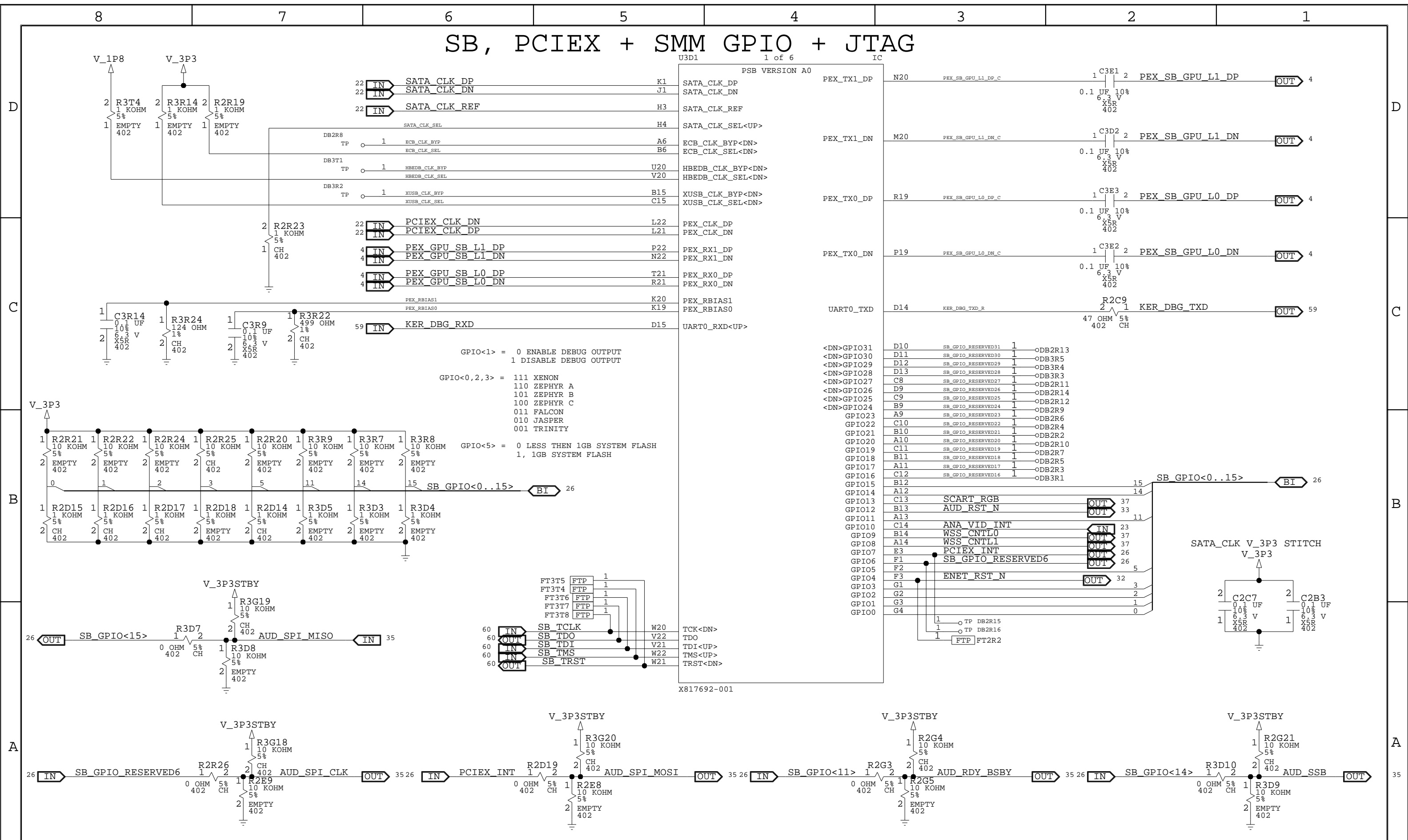
# HANA, POWER + DECOUPLING





# HANA, POWER + DECOUPLING

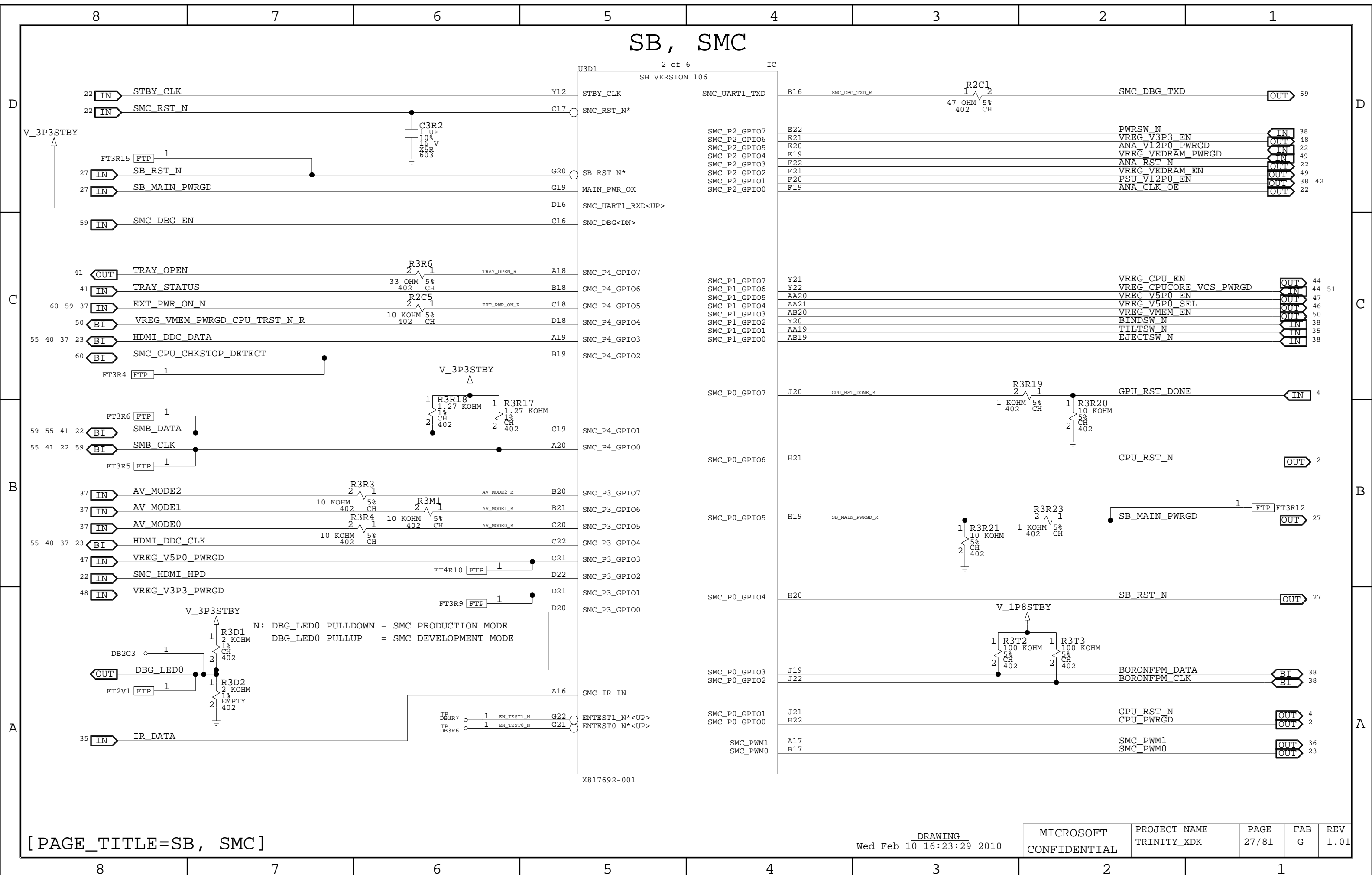




[PAGE\_TITLE=SB, PCIE X + SMM GPIO + JTAG]

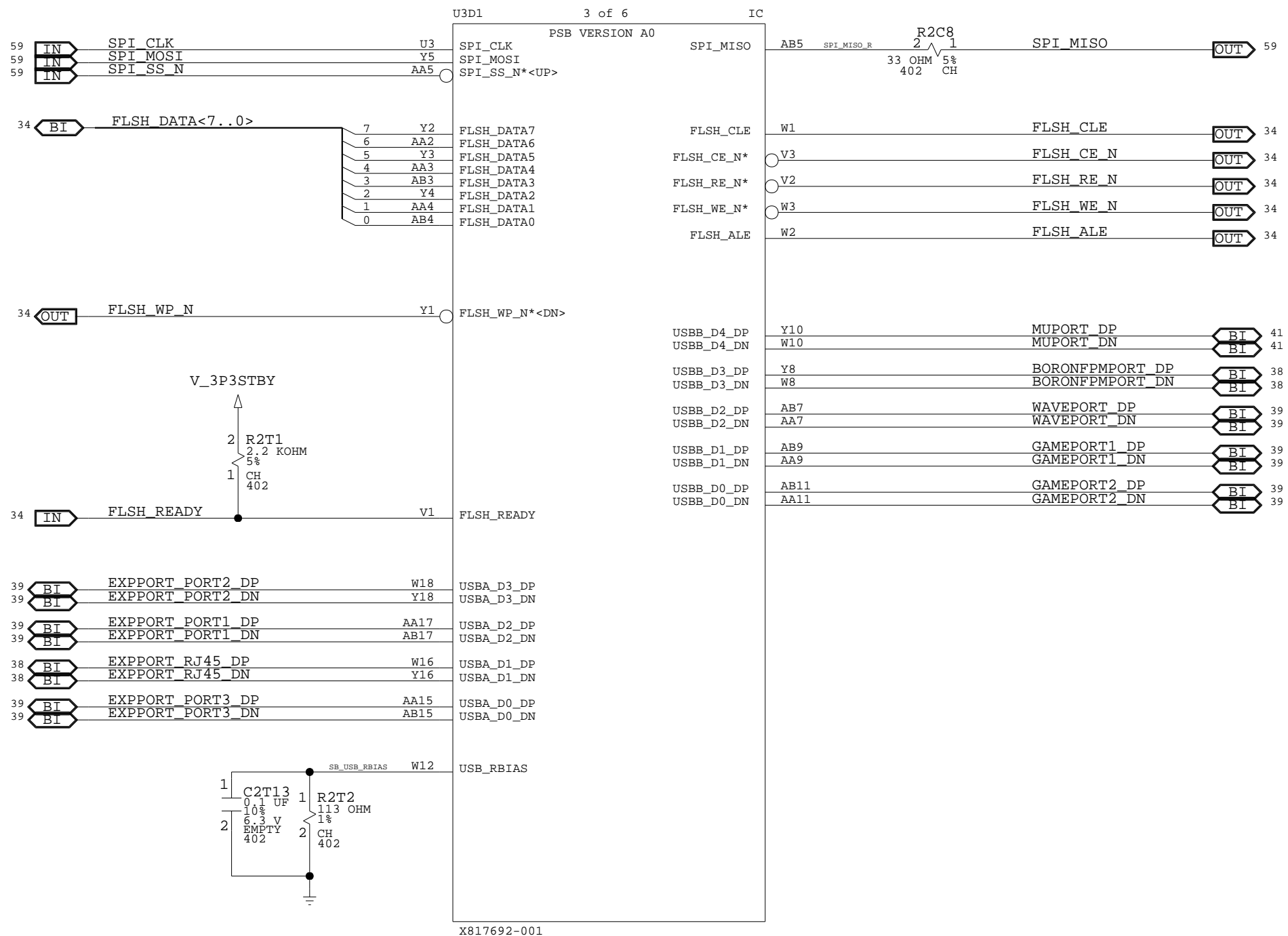
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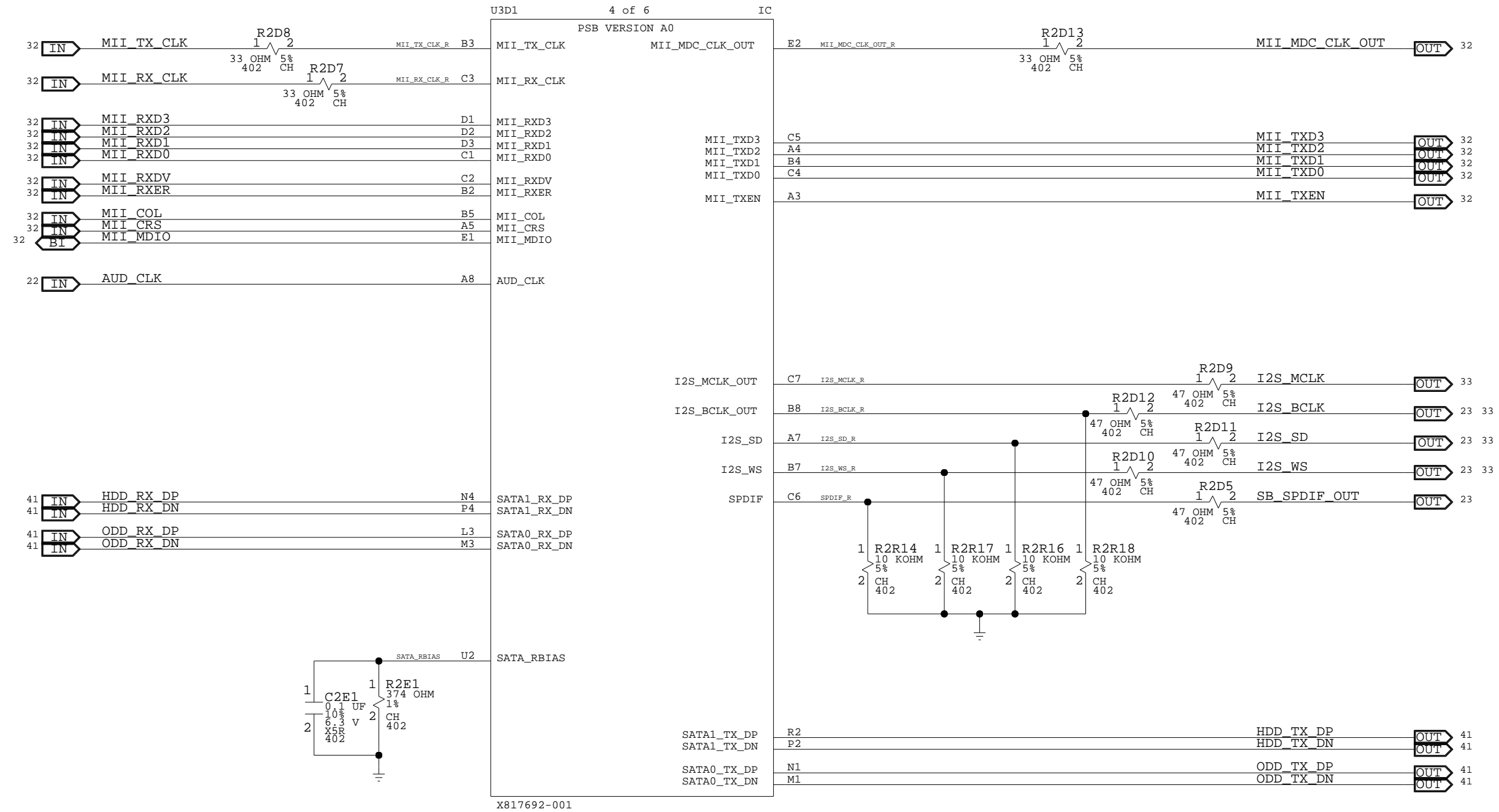


# SB, FLASH + USB + SPI

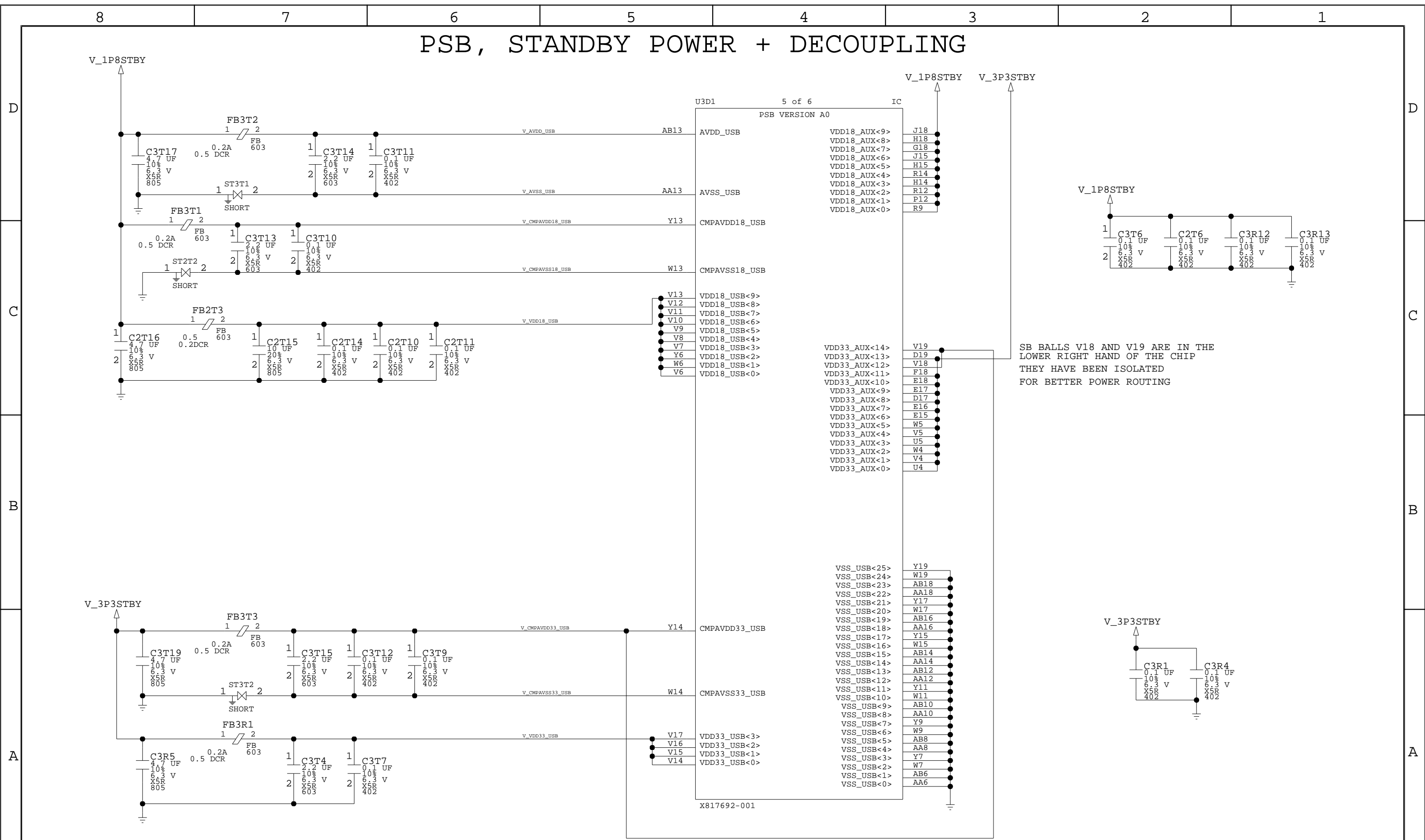
N: ALL PORTS ARE DIFFERENTIAL USB PAIRS ON THIS PAGE



# SB, ETHERNET + AUDIO + SATA



# PSB, STANDBY POWER + DECOUPLING



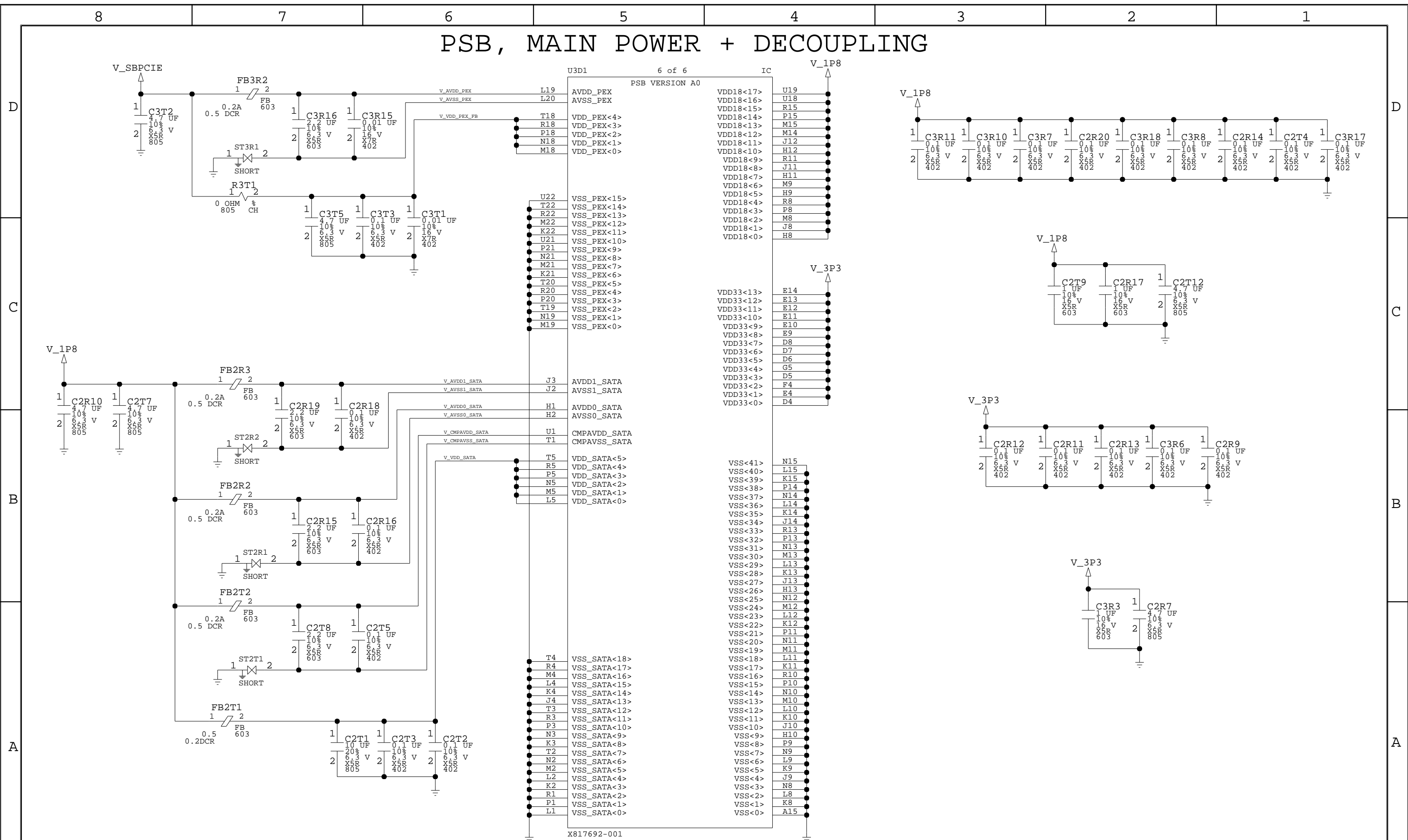
SB BALLS V18 AND V19 ARE IN THE LOWER RIGHT HAND OF THE CHIP THEY HAVE BEEN ISOLATED FOR BETTER POWER ROUTING

[PAGE\_TITLE=PSB, STANDBY POWER + DECOUPLING]

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# PSB, MAIN POWER + DECOUPLING

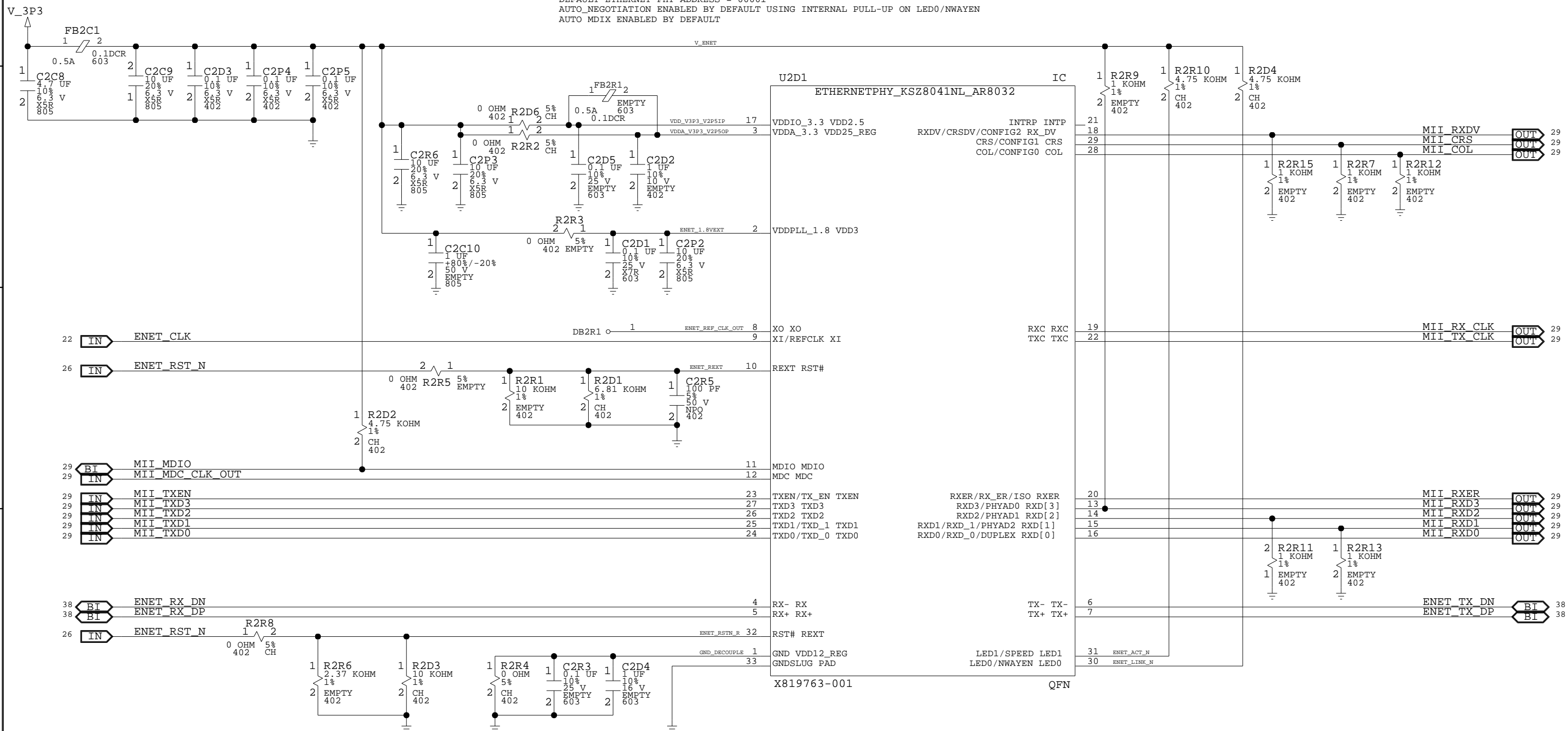


# PSB OUT, ETHERNET

## MICREL AND Atheros ENET PHY

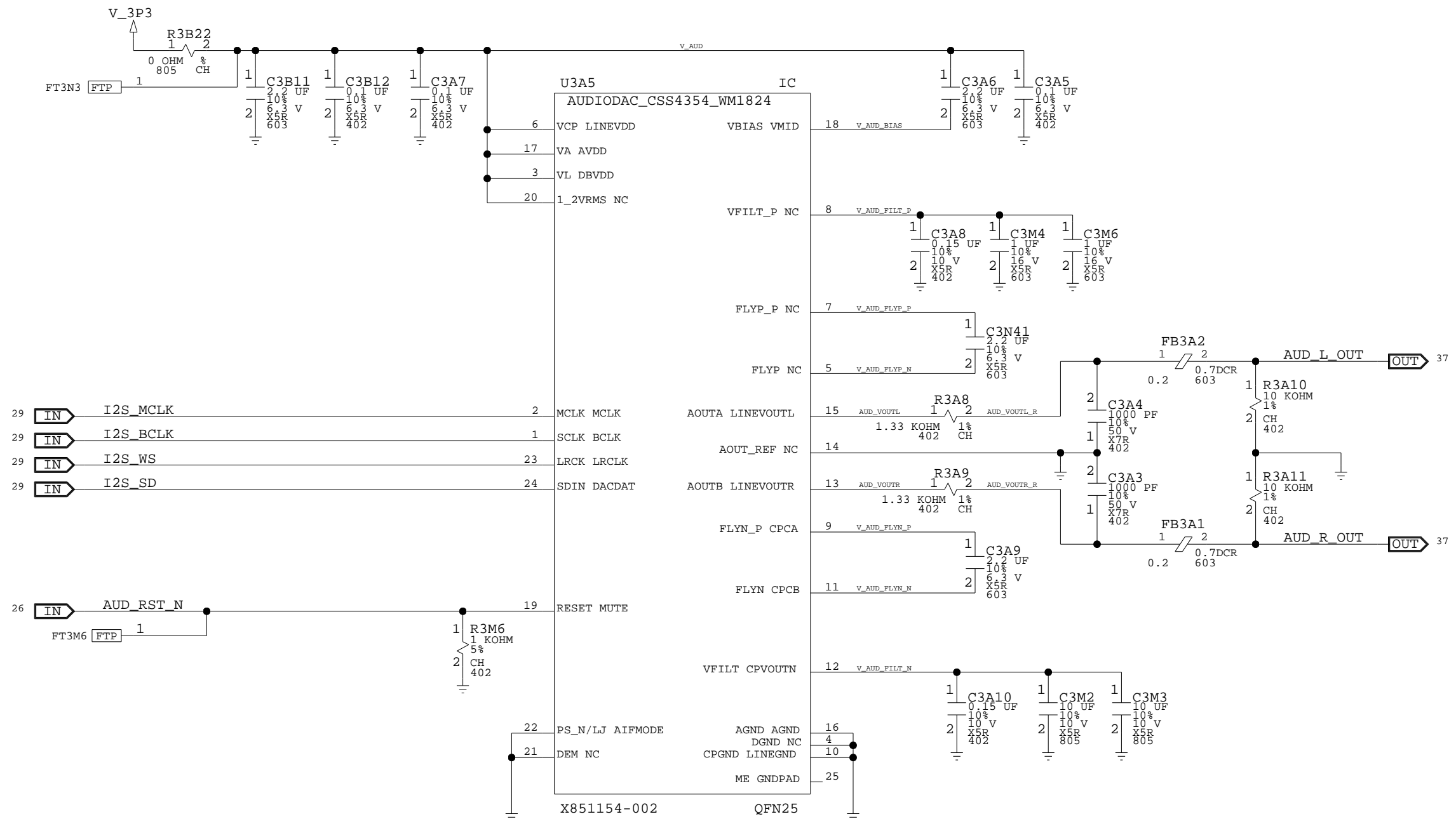
NOTE : THIS PAGE OF THE SCHEMATIC DISPLAYS ONLY THE MICREL PART AND ITS ASSOCIATED STUFFING OPTIONS.  
 THE NO STUFF PARTS WILL BE STUFFED ALONG WITH THE Atheros PHY AND WILL BE IMPLEMENTED AS A BOM STUFFING OPTION..

DEFAULT ETHERNET PHY ADDRESS = 00001  
 AUTO\_NEGOTIATION ENABLED BY DEFAULT USING INTERNAL PULL-UP ON LED0/NWAYEN  
 AUTO MDIX ENABLED BY DEFAULT

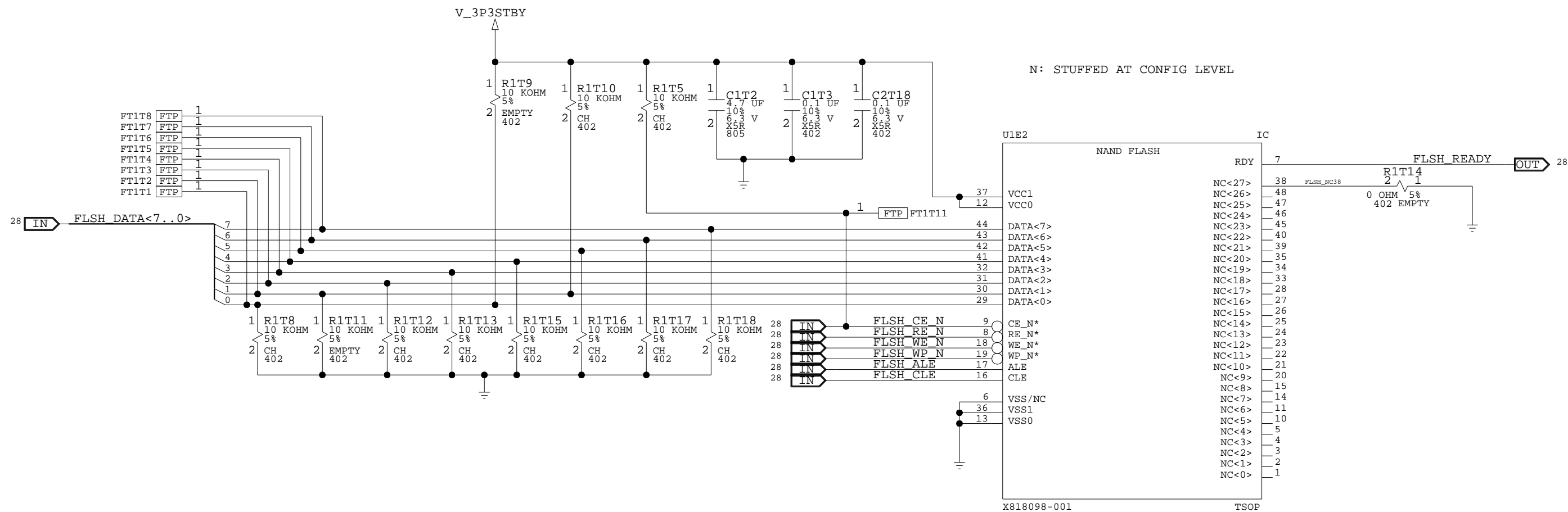




# PSB OUT, AUDIO



# PSB OUT, FLASH



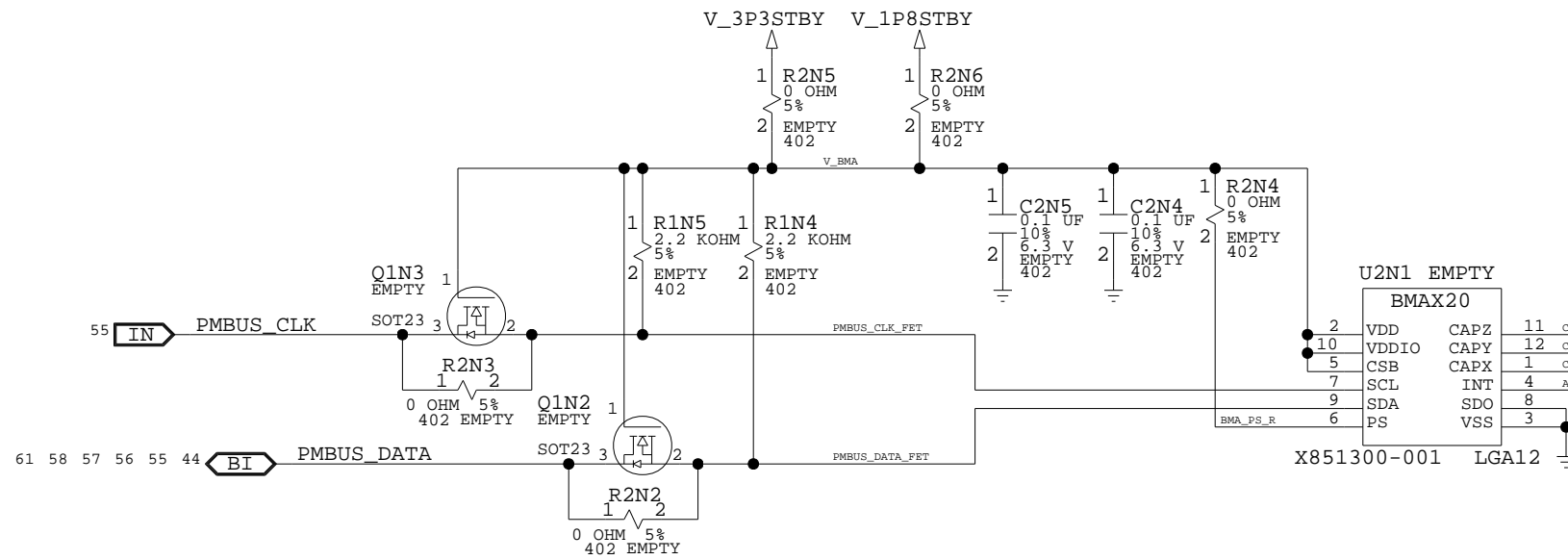
XSB SOUTHBRIDGE		
FLSH_DATA1	FLSH_DATA0	
	0	1
	0	8MB
1	32MB	64MB

N: RETAIL=16MB  
N: XDK=64MB

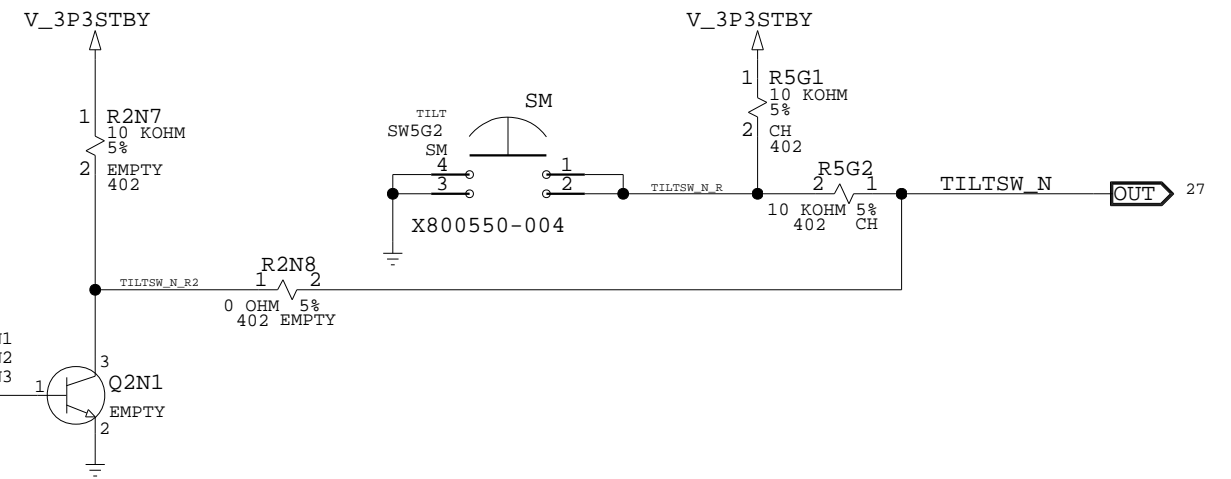
PSB SOUTHBRIDGE			
FLSH_DATA[1:0]	FLASH CONFIGURATION		
	0X0	0.5KB, 16KB BLOCKS, 16MB	RETAIL XDK
	0X1	0.5KB, 16KB BLOCKS, 16MB	
	0X2	2KB PAGES, 128KB BLOCKS, VARIOUS SIZES (256MB)	
	0X3	4KB PAGES, 256KB BLOCKS, VARIOUS SIZES	

# CONN, INFRARED + ACCELEROMETER + SWITCHES + AUDIBLE F/B

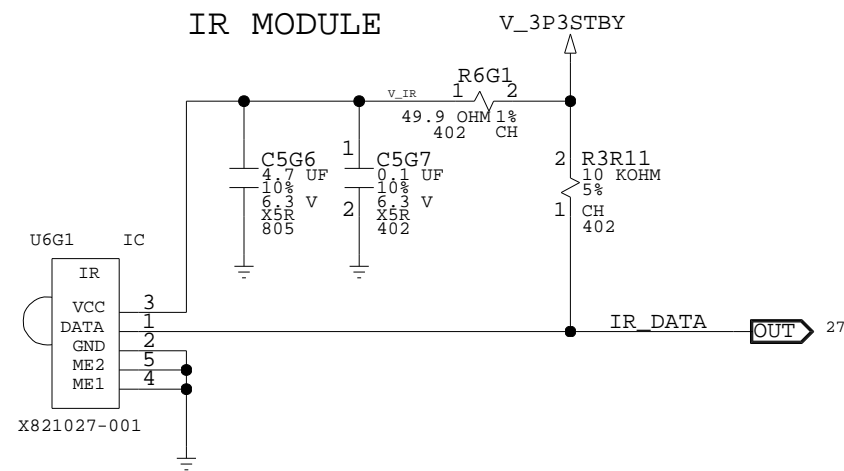
## ACCELEROMETER



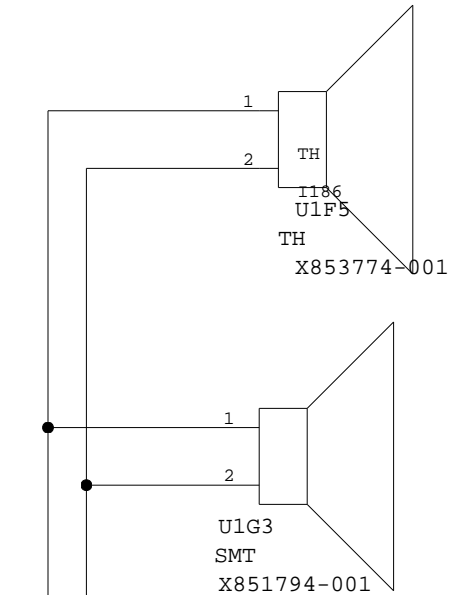
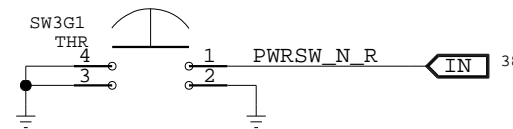
## TILT SWITCH, SOLICO



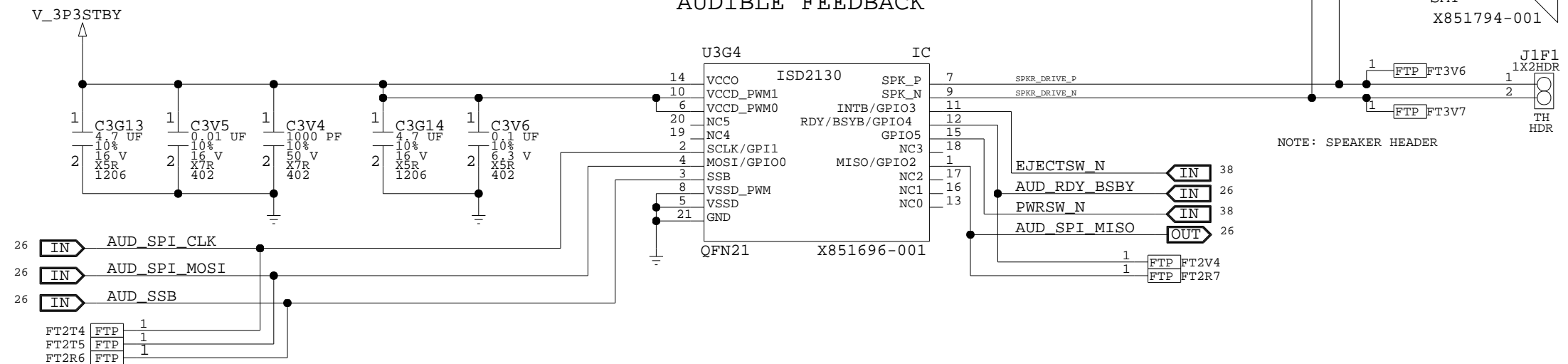
## IR MODULE



## POWER BUTTON



## AUDIBLE FEEDBACK



NOTE: SPEAKER HEADER

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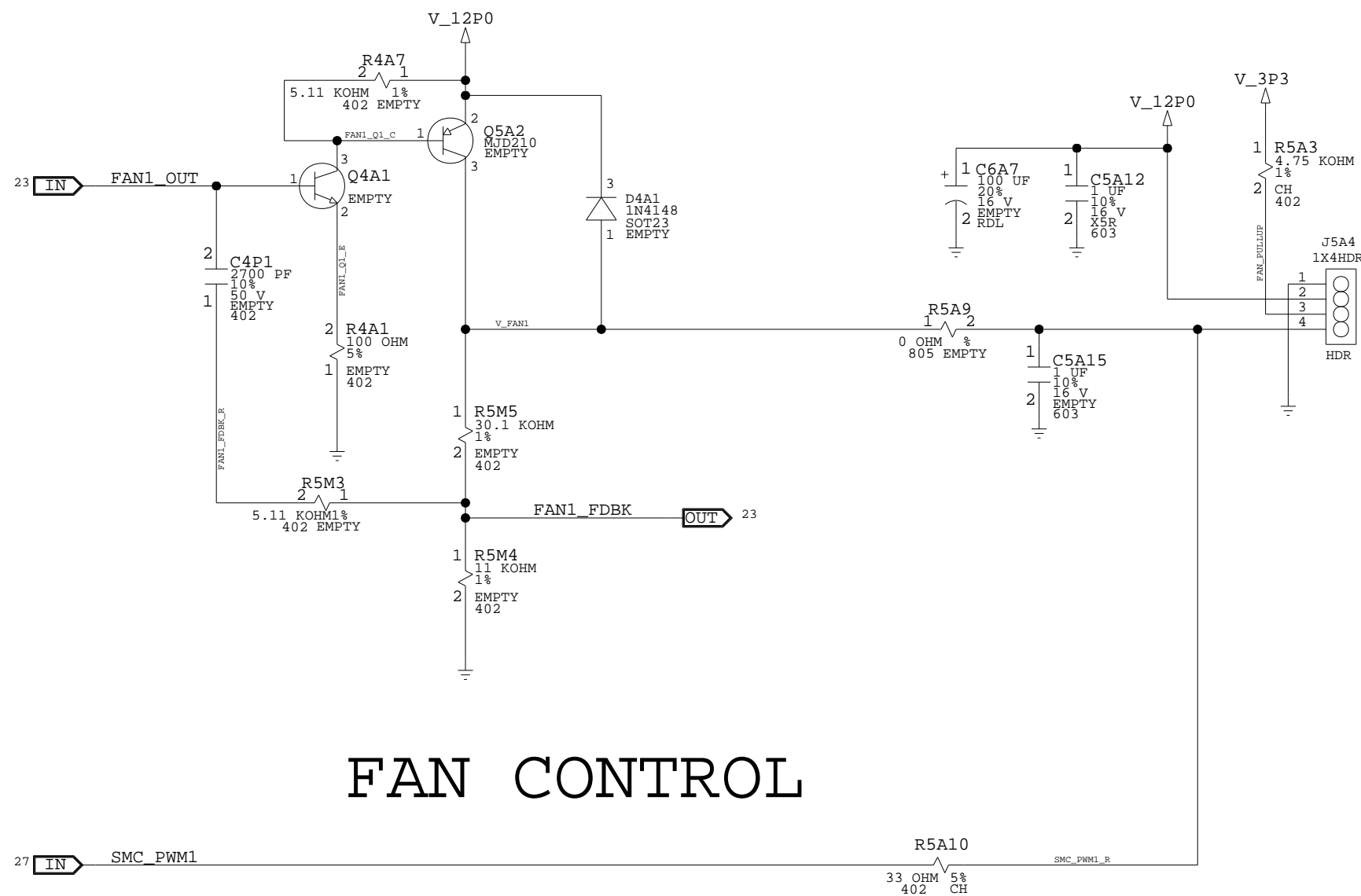
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# CONN, FAN



# FAN CONTROL

D

C

B

A

D

C

B

A

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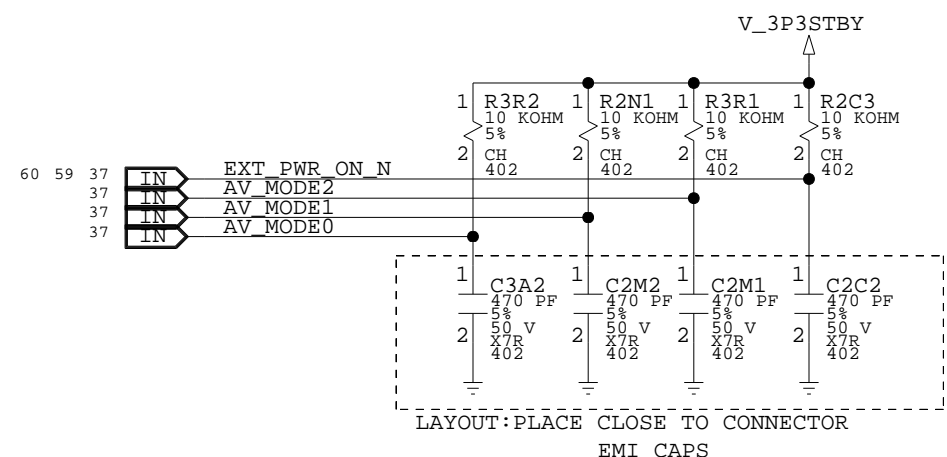
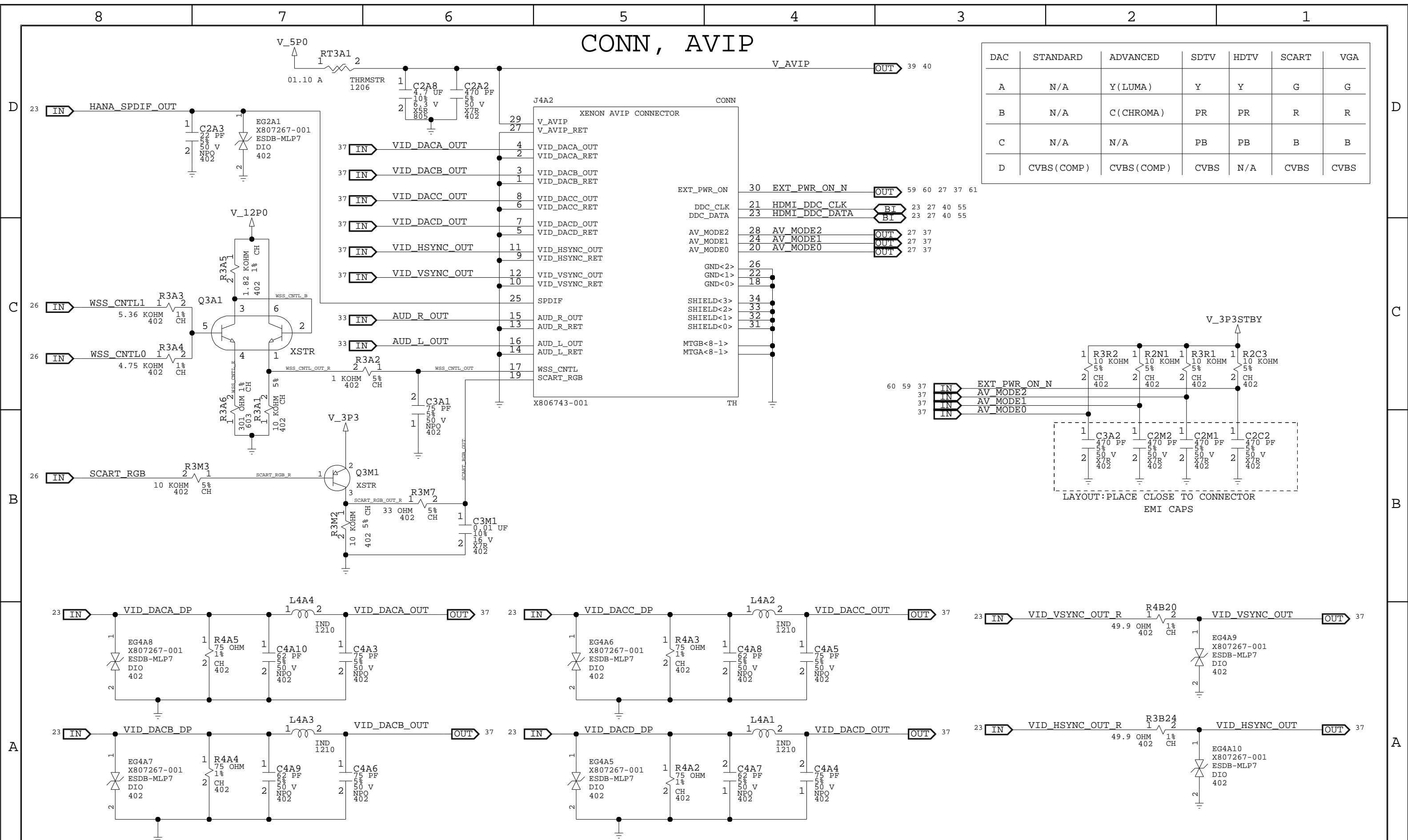
3

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# CONN, AVIP

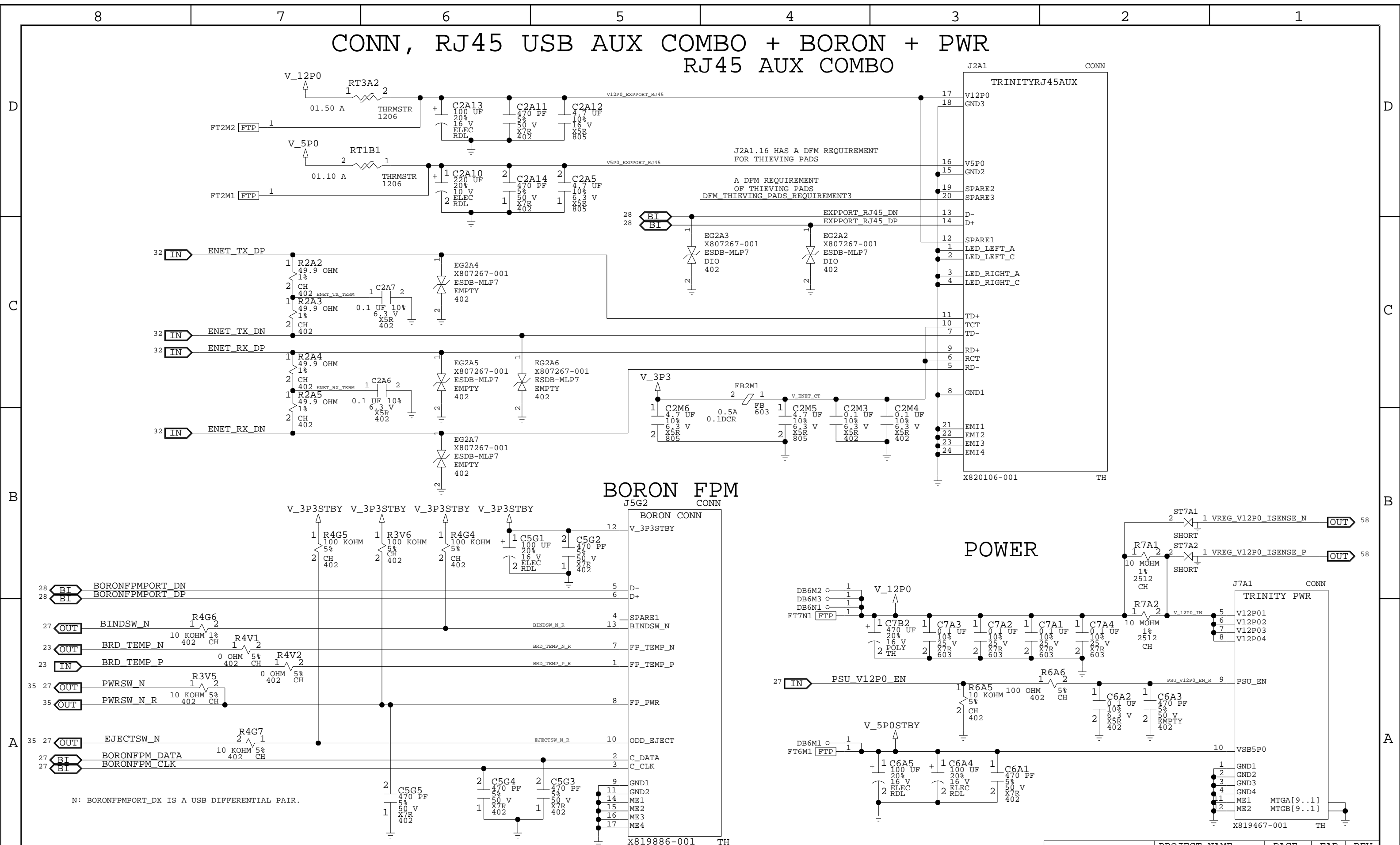
DAC	STANDARD	ADVANCED	SDTV	HDTV	SCART	VGA
A	N/A	Y(LUMA)	Y	Y	G	G
B	N/A	C(CHROMA)	PR	PR	R	R
C	N/A	N/A	PB	PB	B	B
D	CVBS (COMP)	CVBS (COMP)	CVBS	N/A	CVBS	CVBS



[ PAGE\_TITLE = [ CONN, AVIP ] ]

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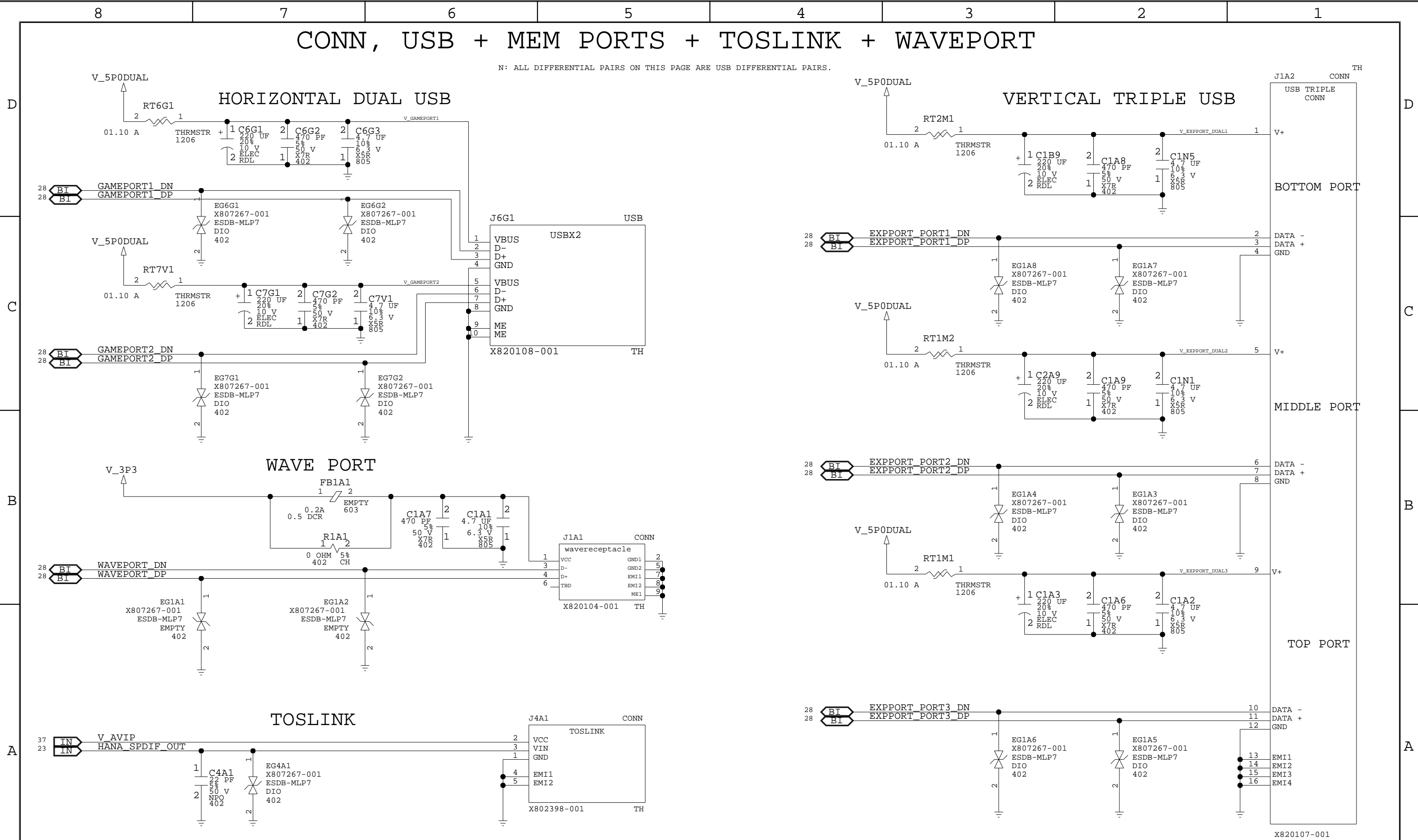
[PAGE\_TITLE=CONN, RJ45 AUX COMBO + BORON + PWR]

DRAWING  
Wed Feb 10 16:23:31 2010

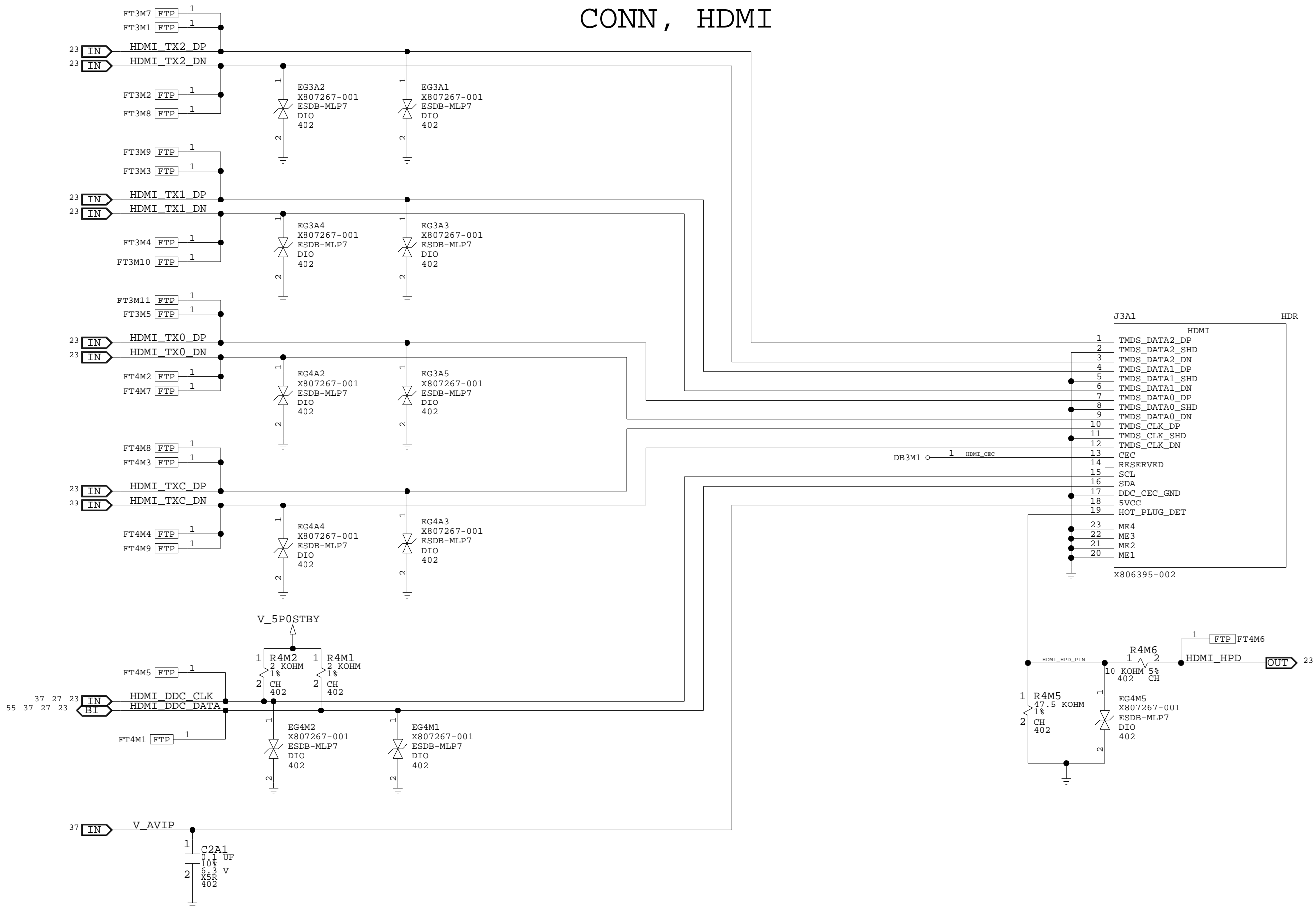
MICROSOFT CONFIDENTIAL	PROJECT NAME TRINITY_XDK	PAGE 38/81	FAB G	REV 1.01
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# CONN, USB + MEM PORTS + TOSLINK + WAVEPORT

N: ALL DIFFERENTIAL PAIRS ON THIS PAGE ARE USB DIFFERENTIAL PAIRS.

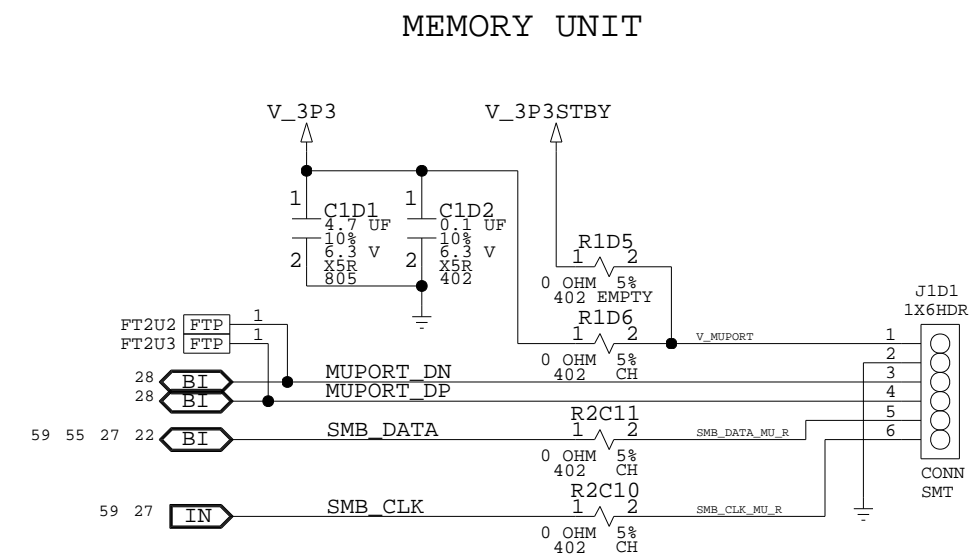
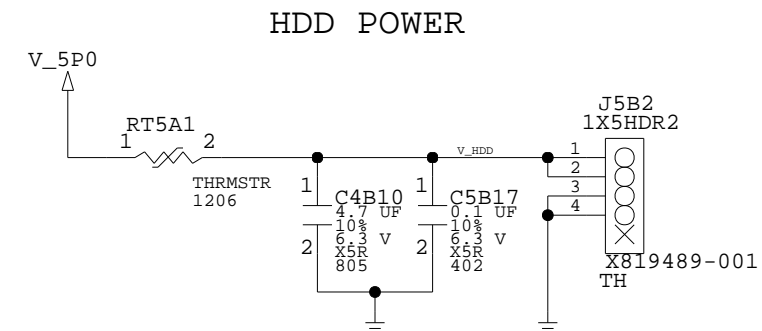
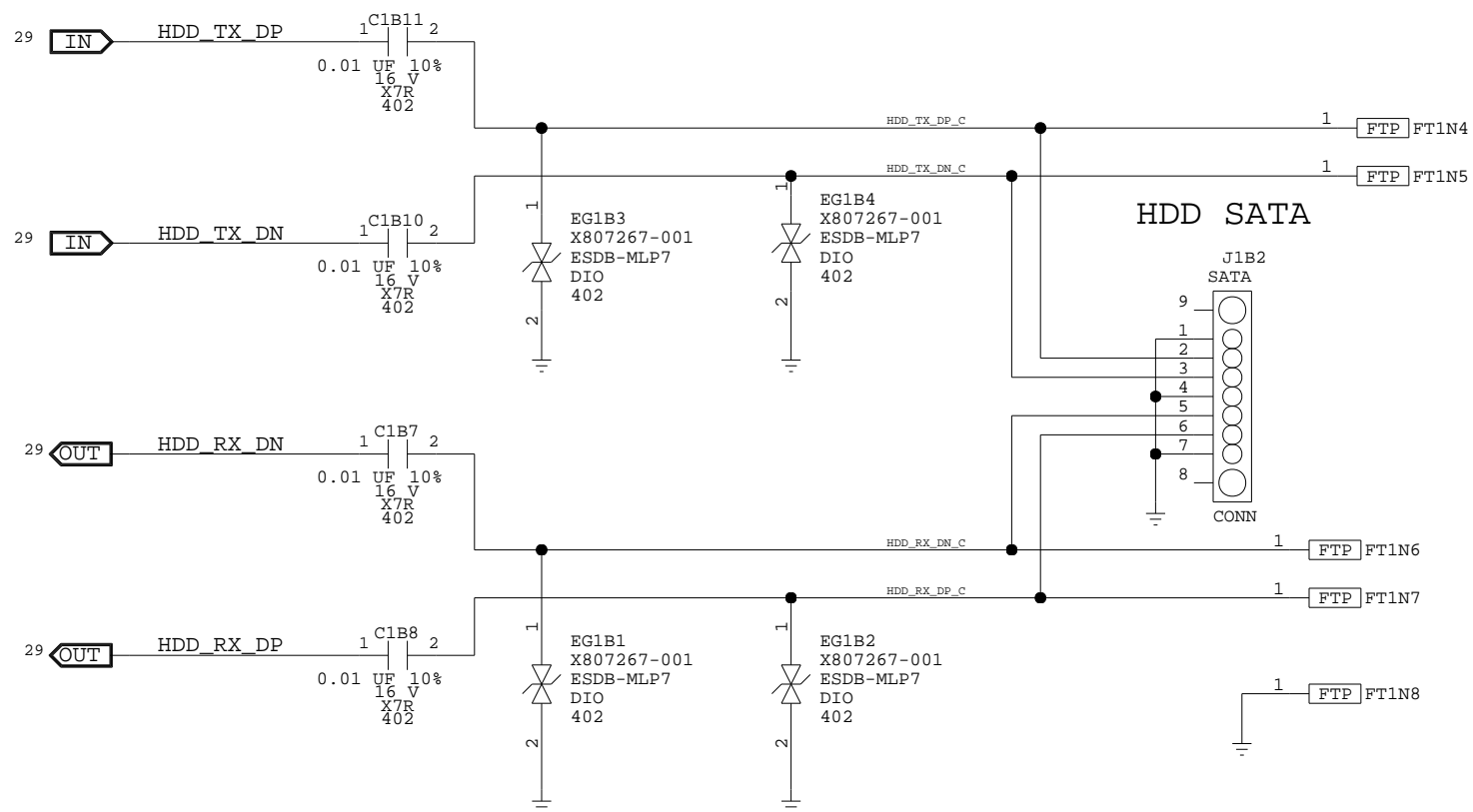


# CONN, HDMI

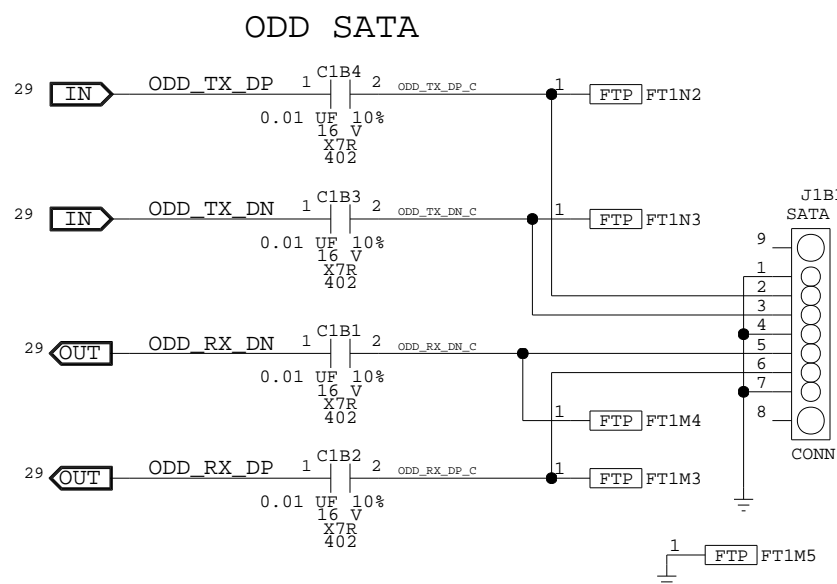
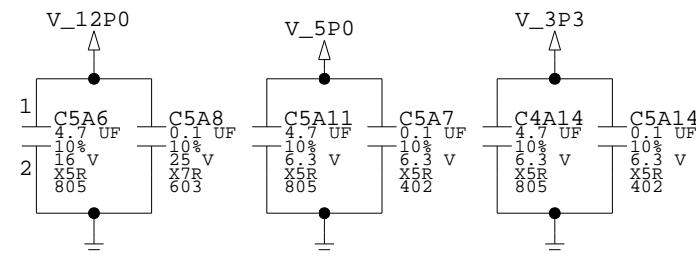




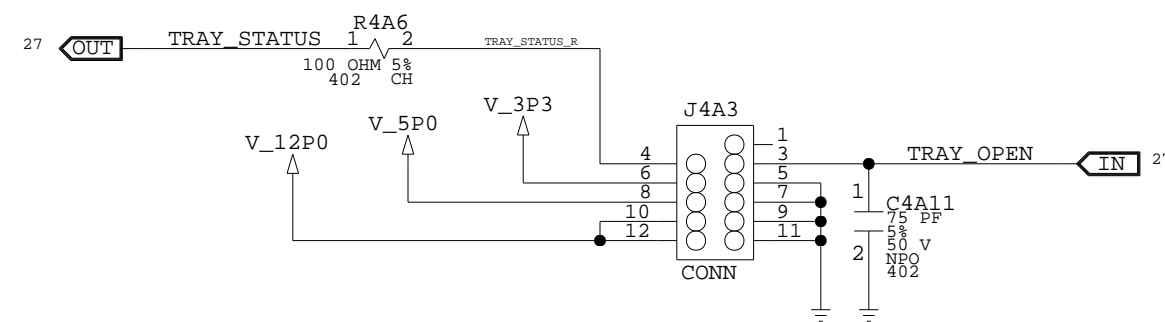
# CONN, ODD + HDD + MU



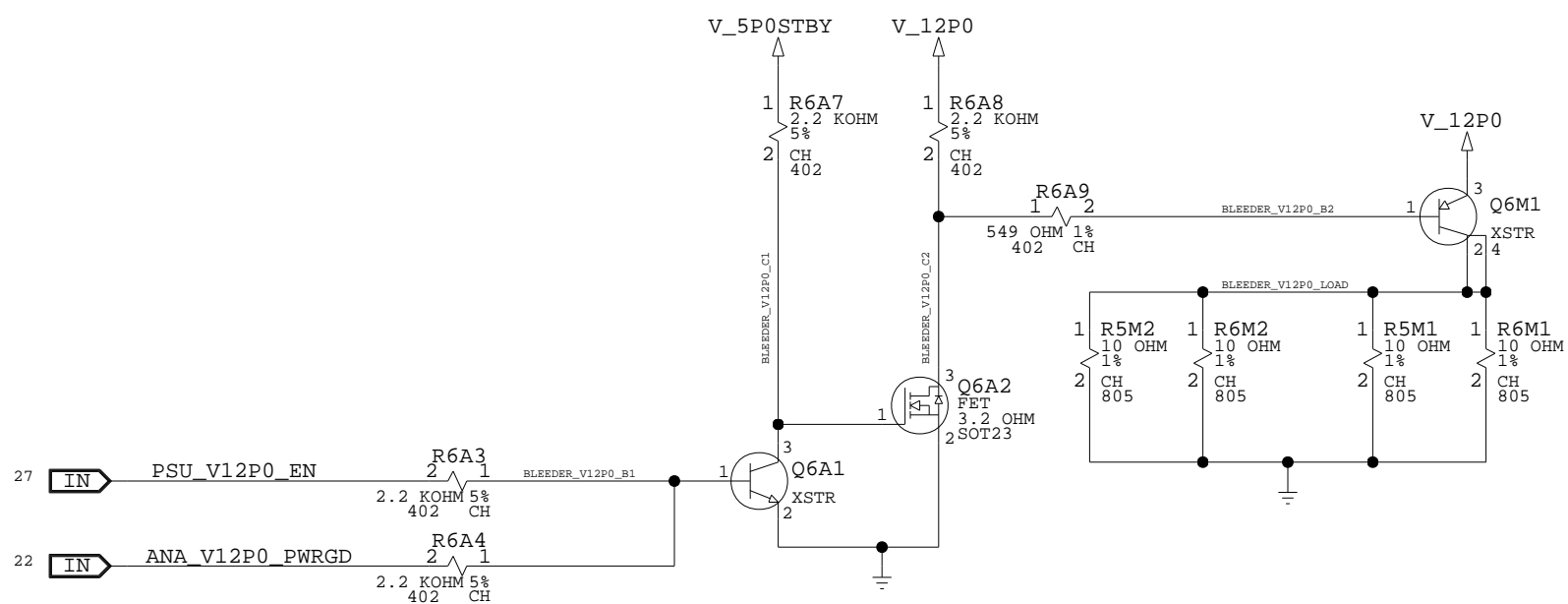
## ODD POWER DECOUPLING



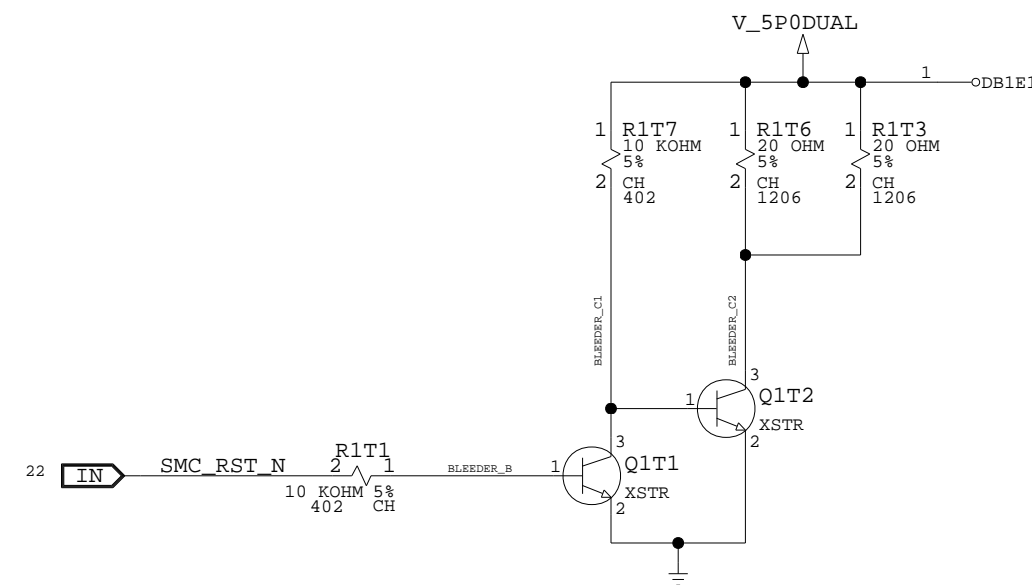
## ODD POWER AND CONTROL



# VREG, BLEEDERS

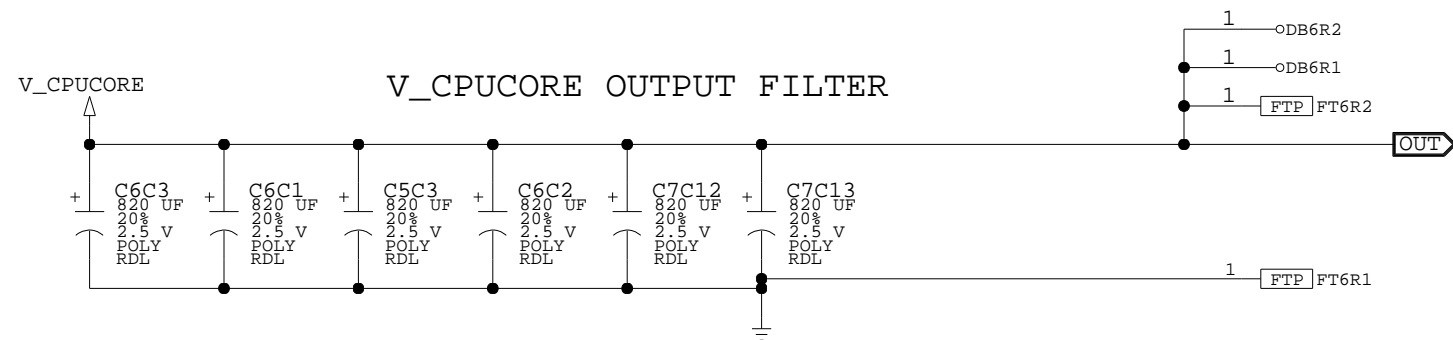
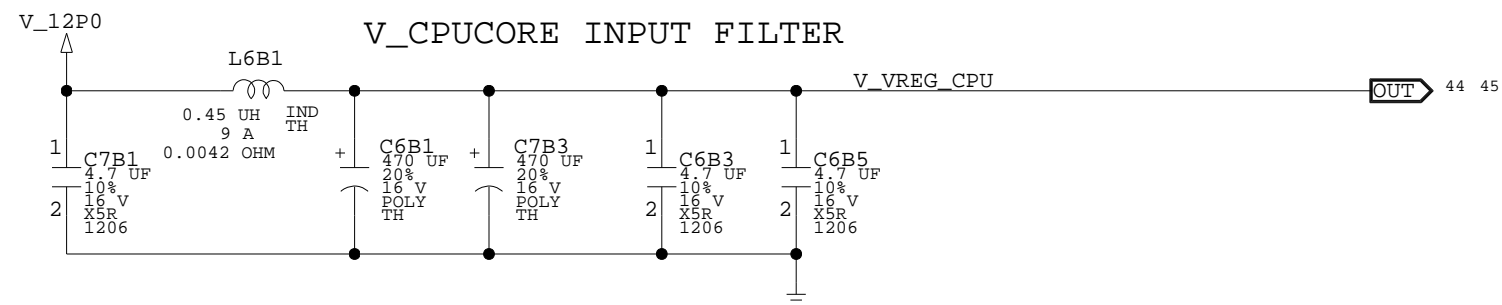
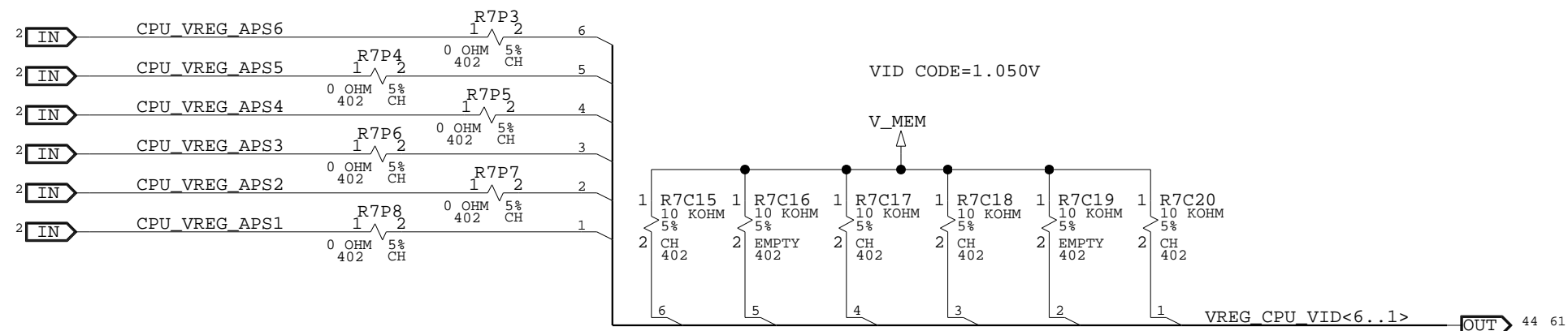


V\_12P0 & V\_5P0 BLEEDERS

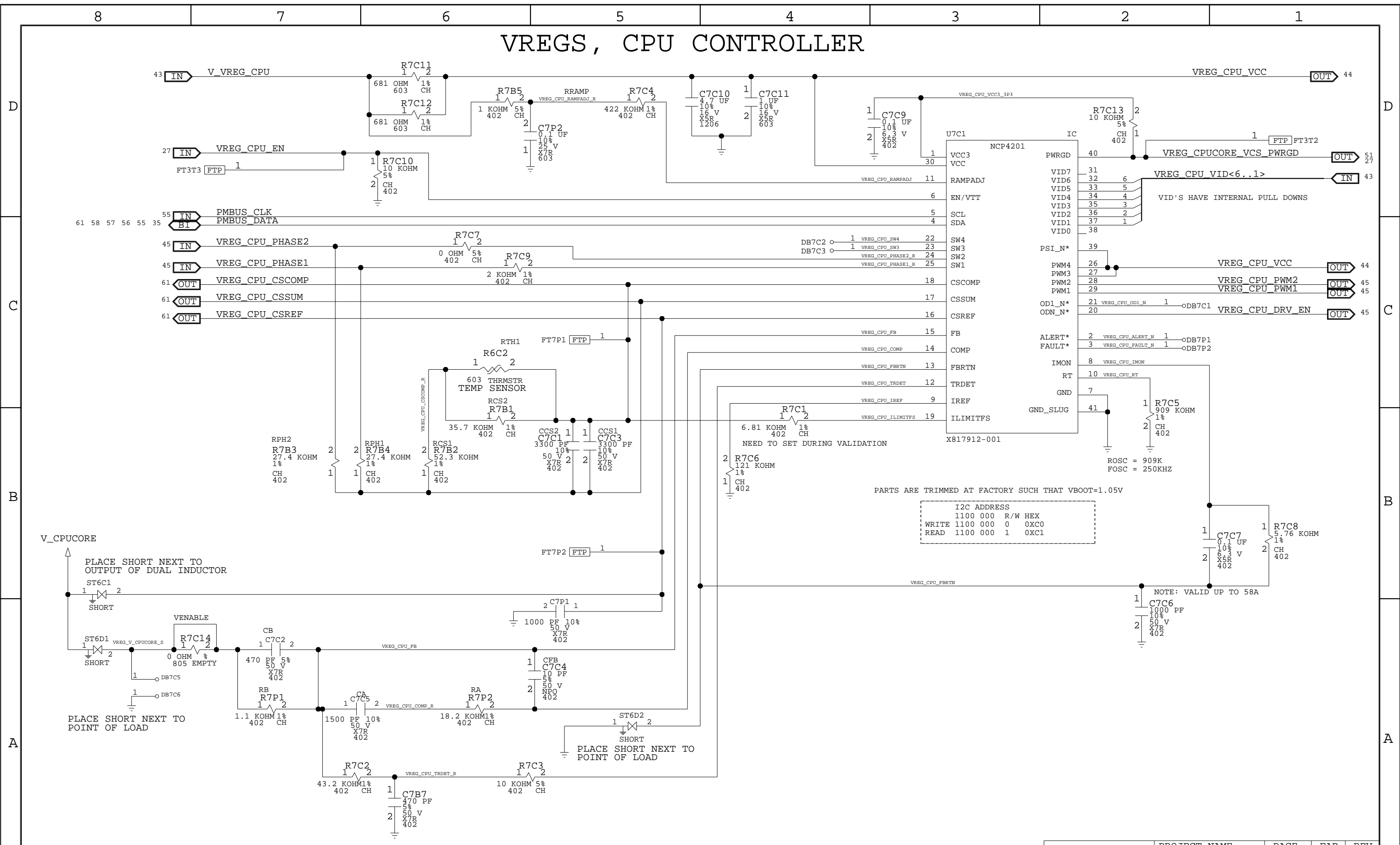


V\_5P0DUAL BLEEDER

# VREGS, INPUT + OUTPUT FILTERS

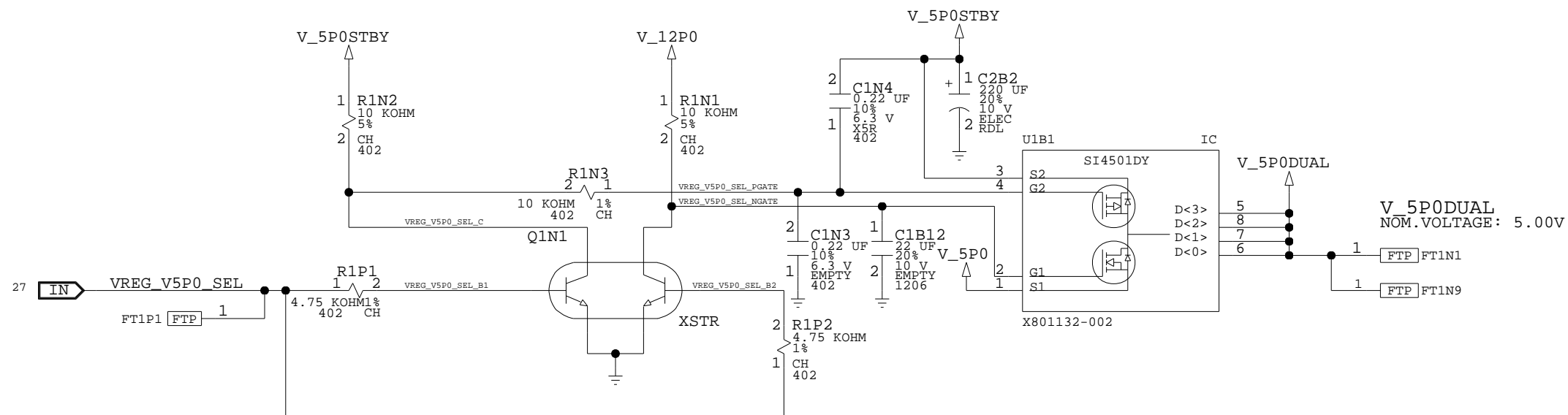


# VREGS, CPU CONTROLLER



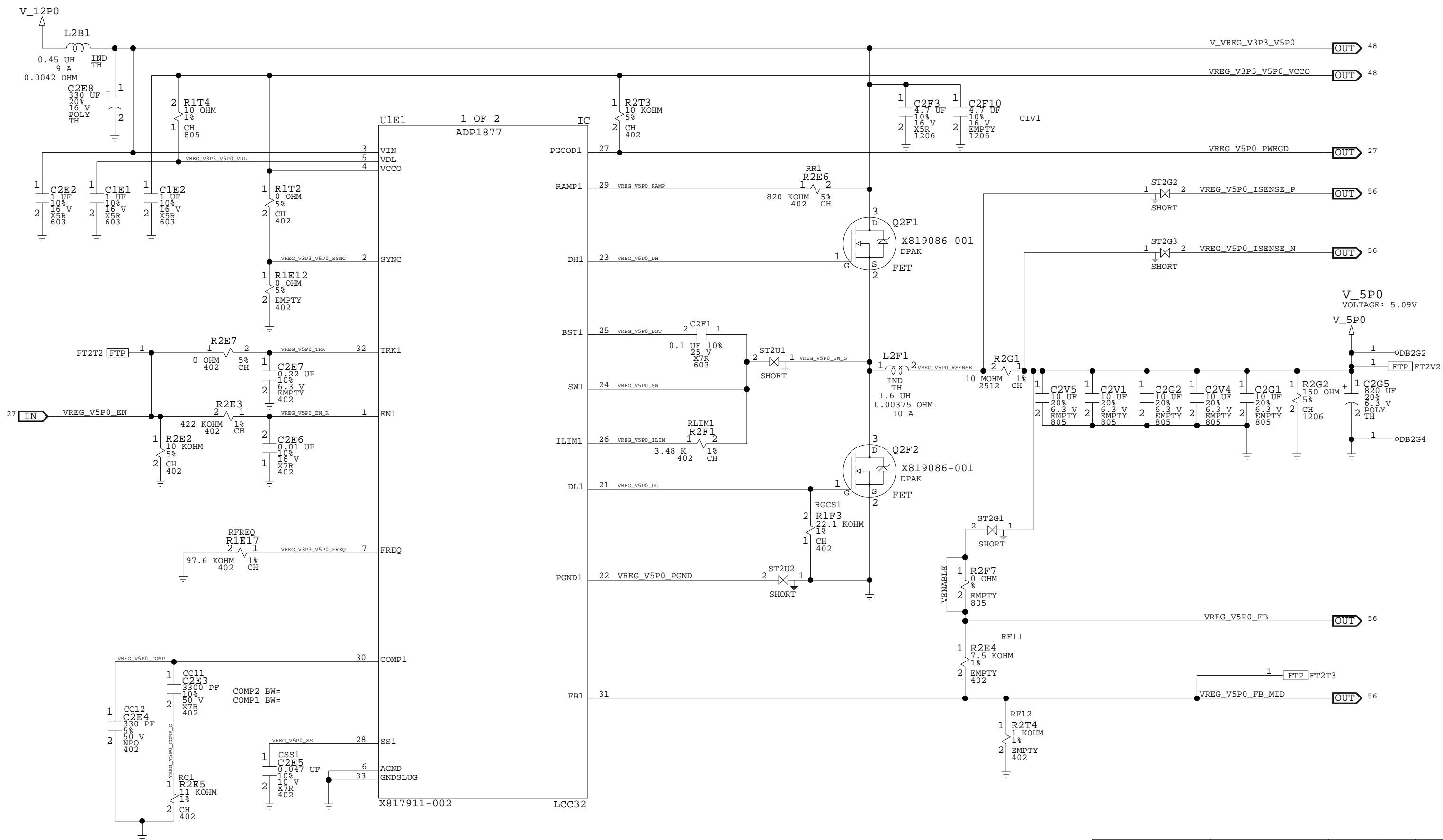


# VREGS, V5P0 DUAL



VREG_5P0_SEL	VREG_5P0_SEL NGATE/PGATE	V_5P0DUAL
HIGH	LOW	V_5POSTBY
LOW	HIGH	V_5P0

# VREGS, V5P0

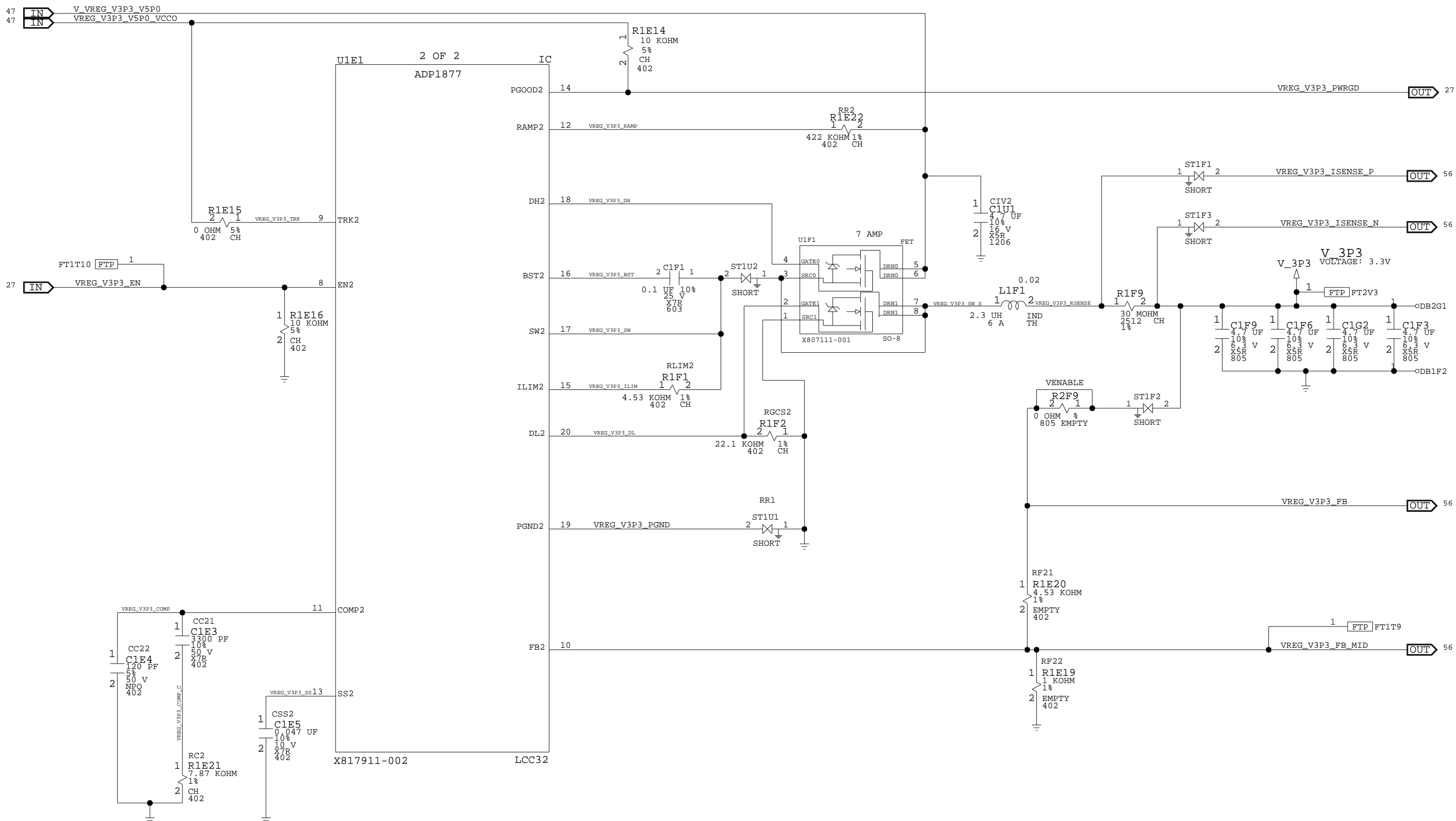


[PAGE\_TITLE=VREGS, V5P0]

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# VREGS, V3P3



[PAGE\_TITLE=VREGS, V3P3]

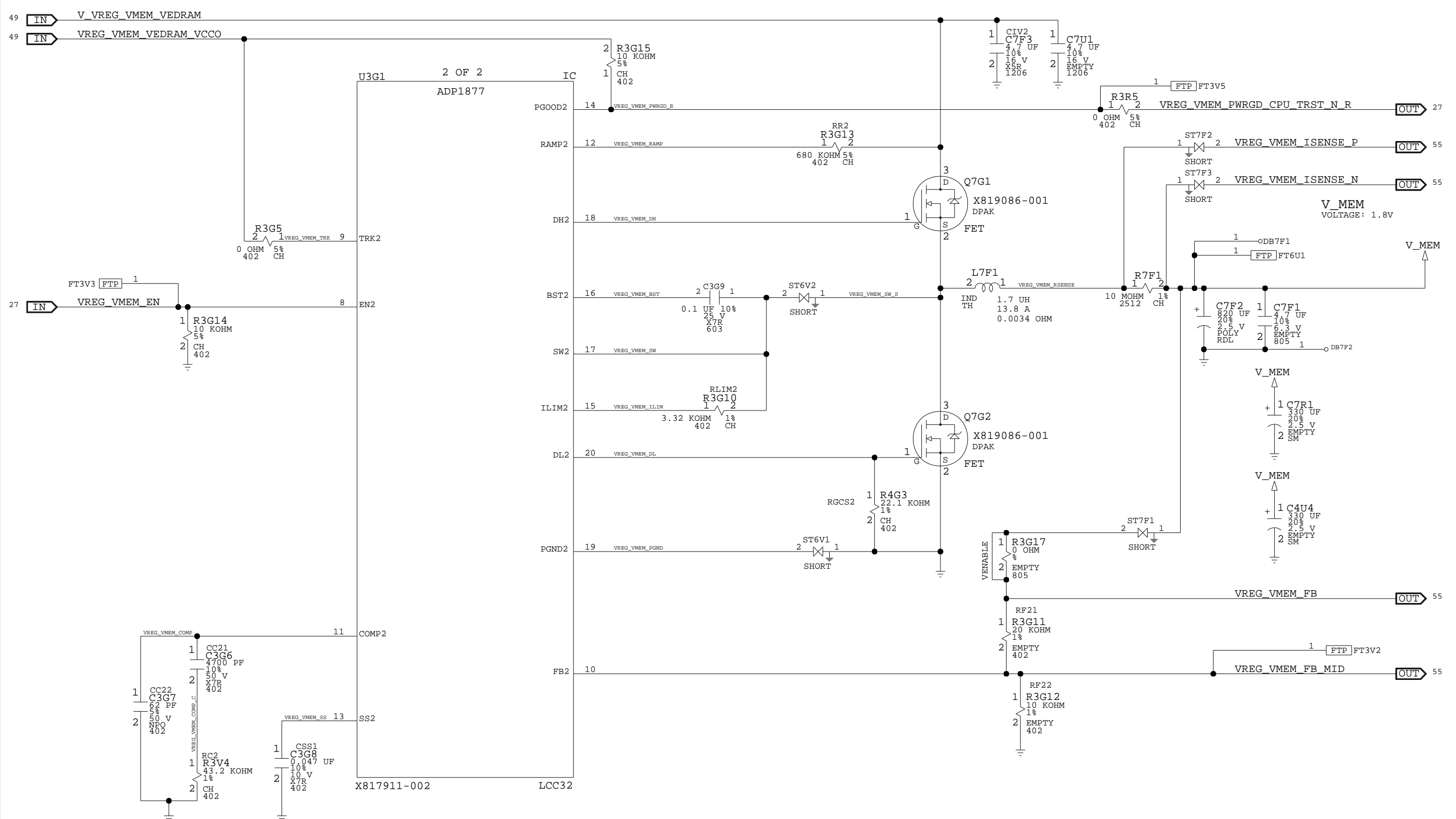
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# VREGS, VMEM

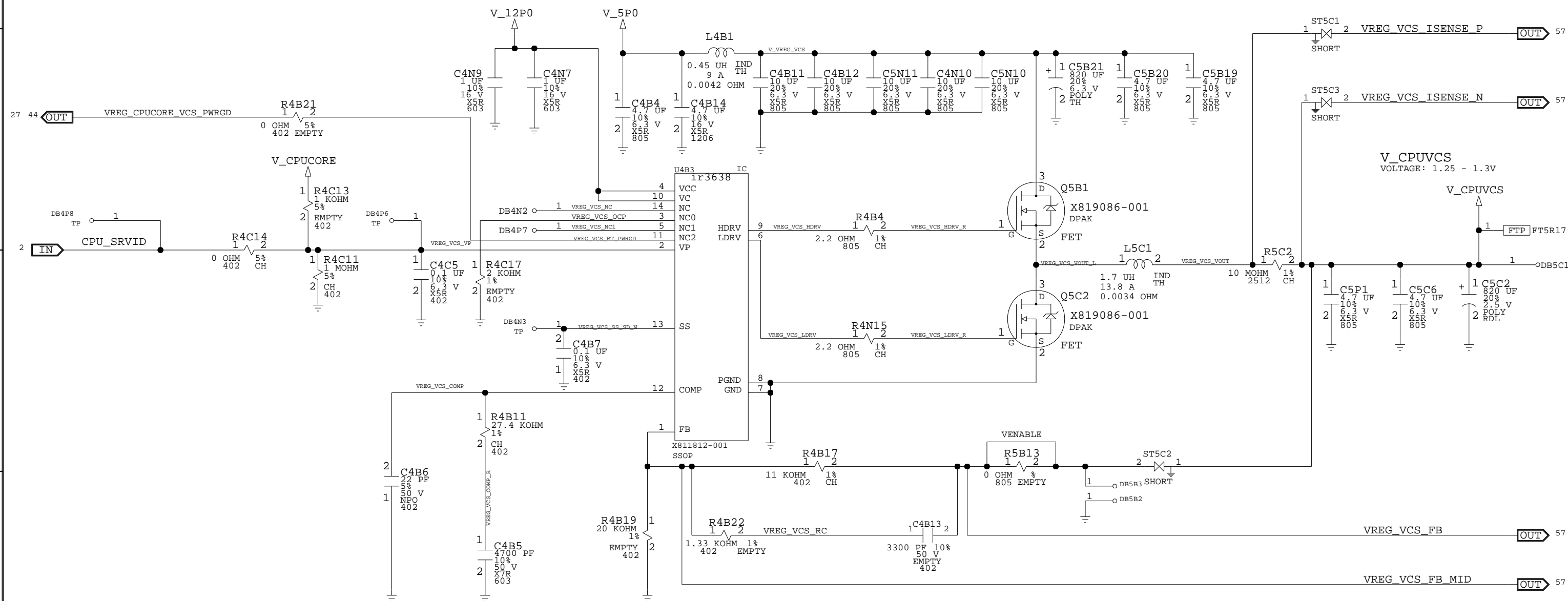


[ PAGE\_TITLE= [ VREGS, VMEM ]

DRAWING  
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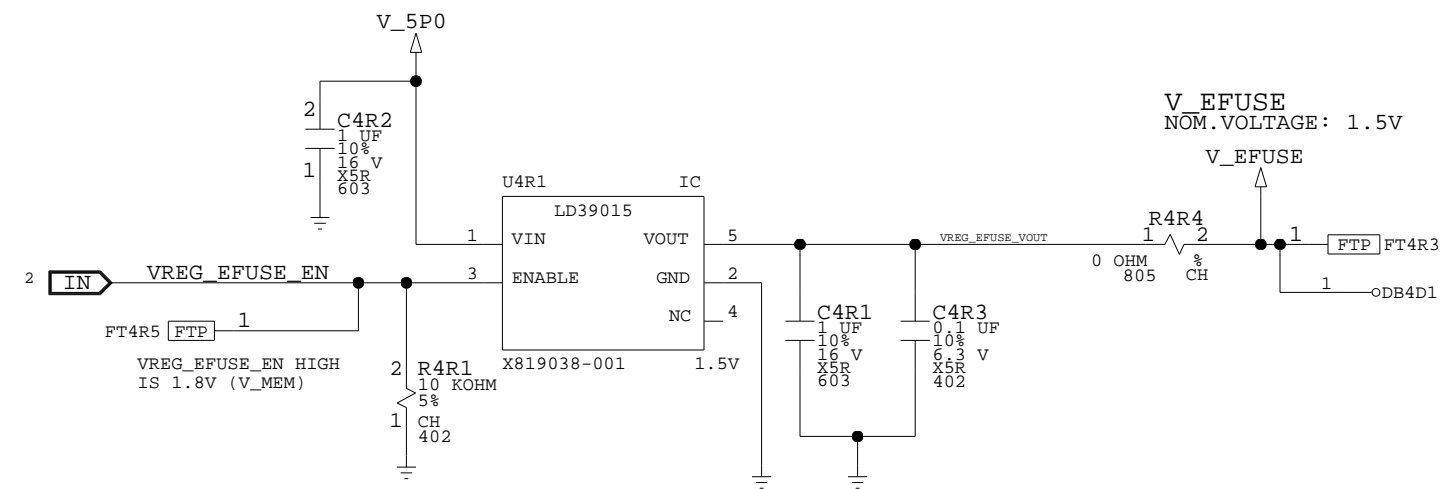
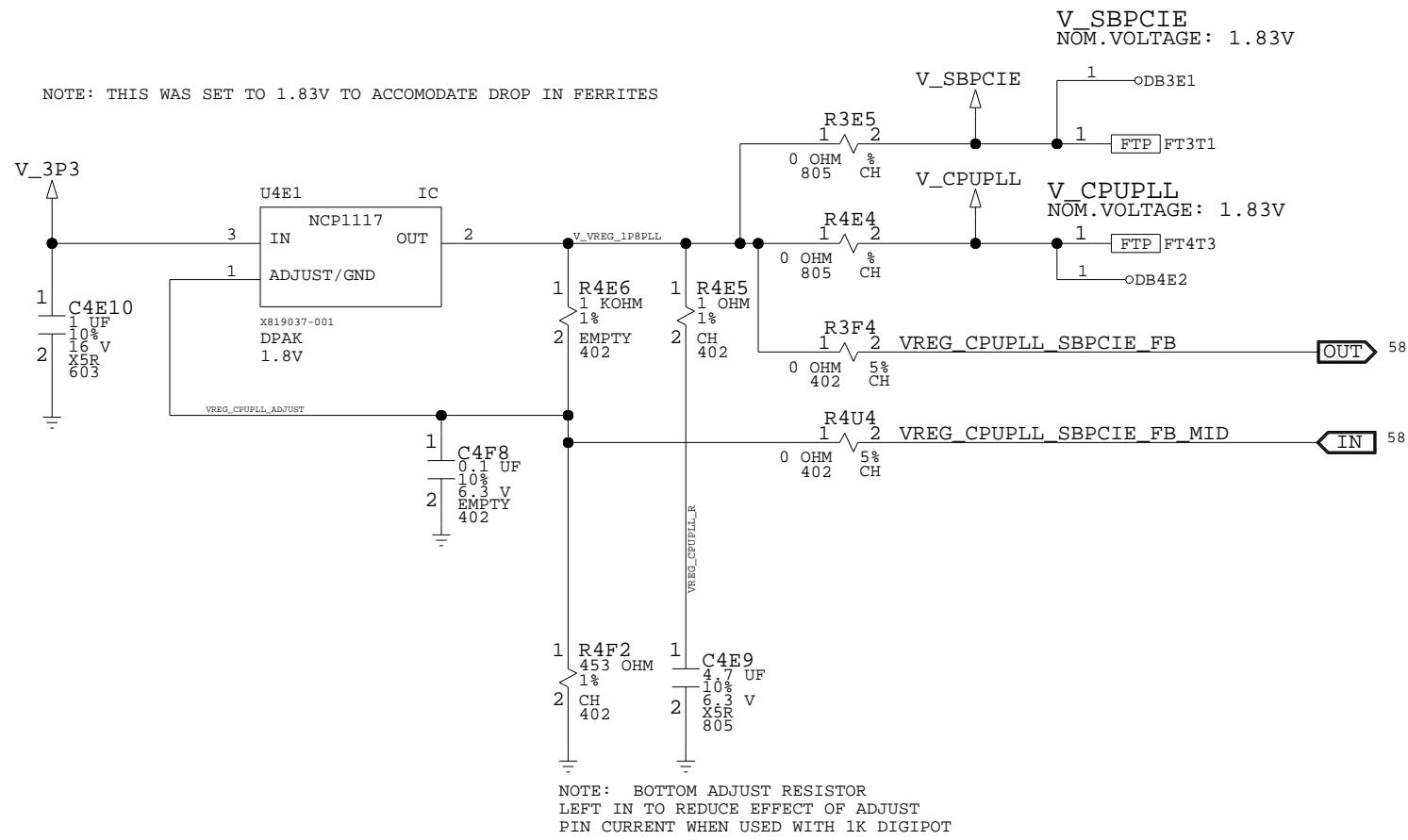
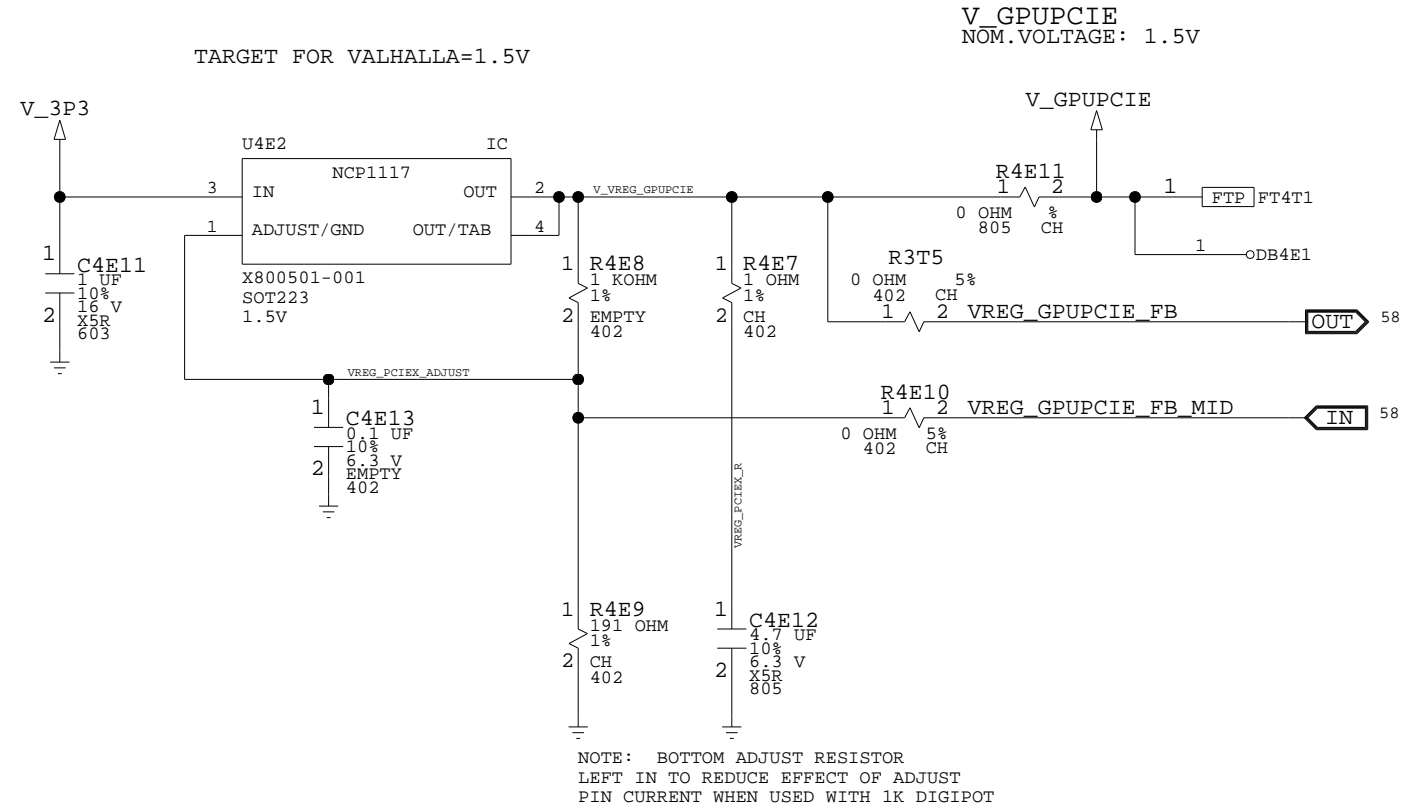
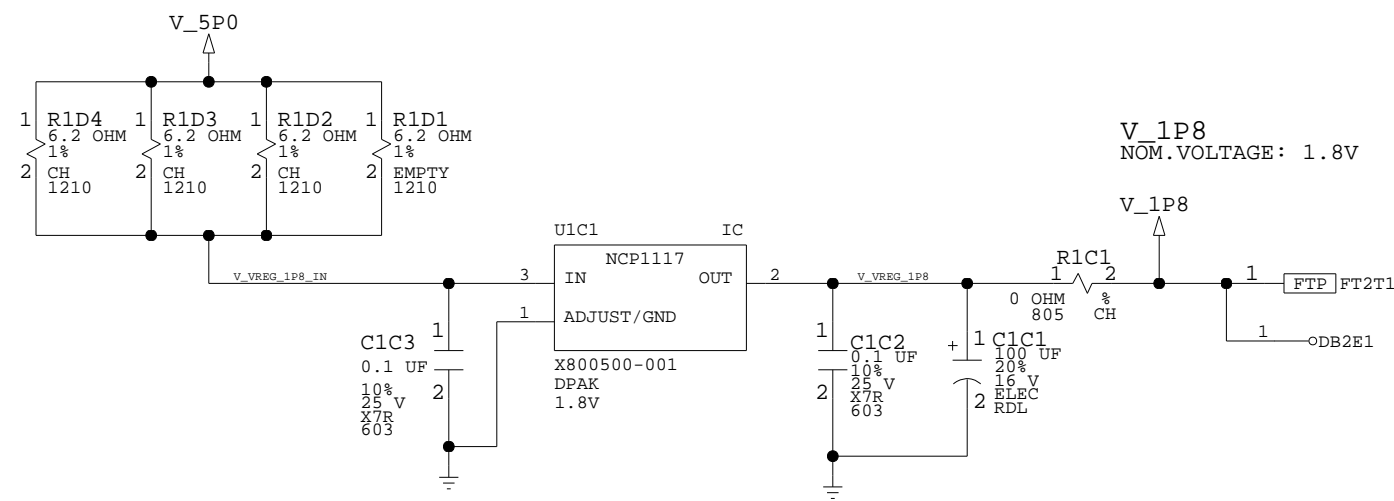
# VREGS, VCS



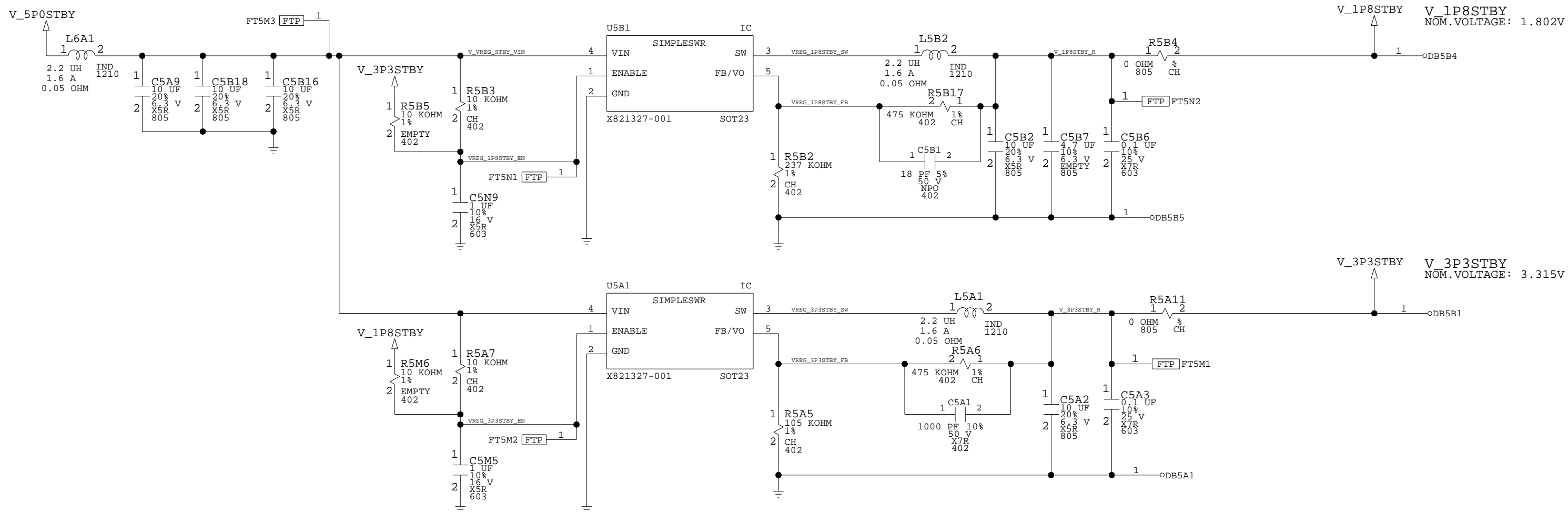
GAIN=0.4 WITH R4B17 = 11K, R4B19 = 27.4K  
 OUTPUT = CPU\_SRVID(1+GAIN)

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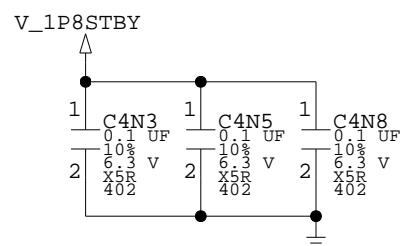
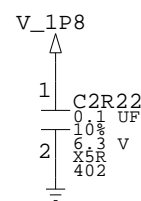
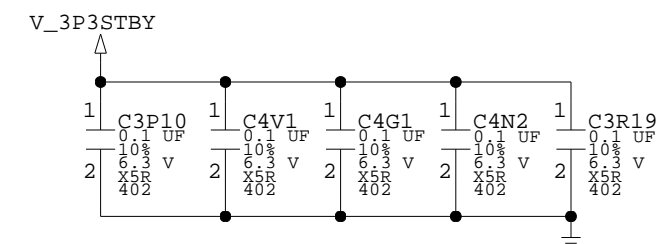
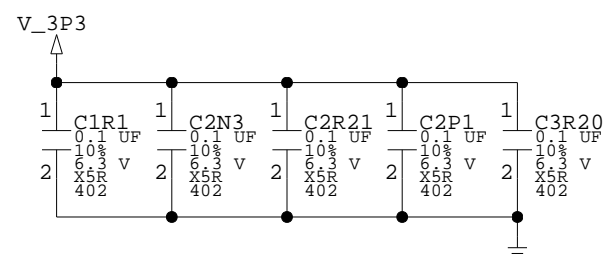
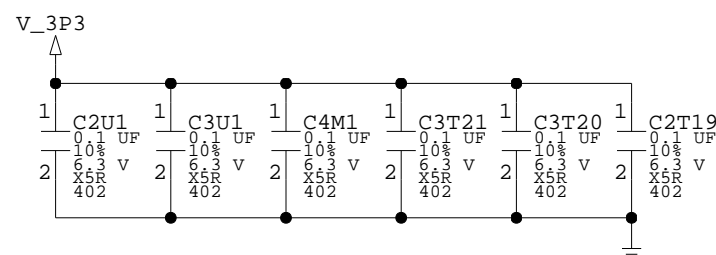
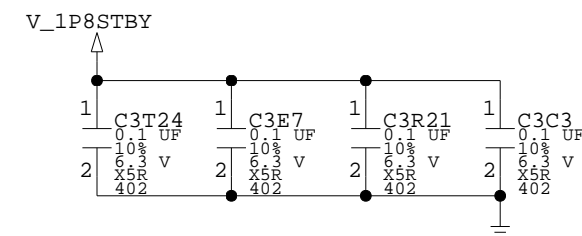
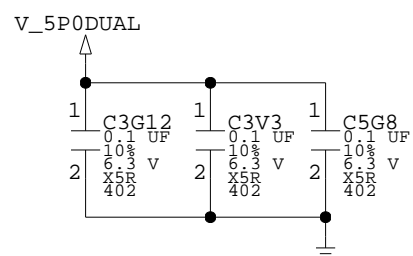
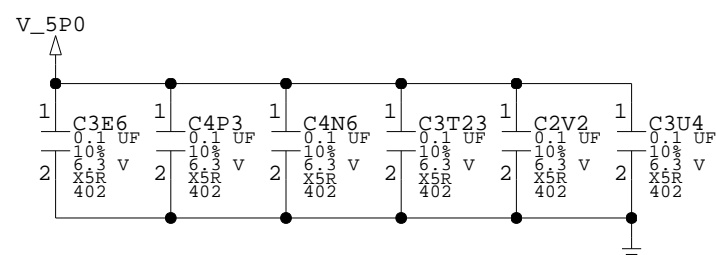
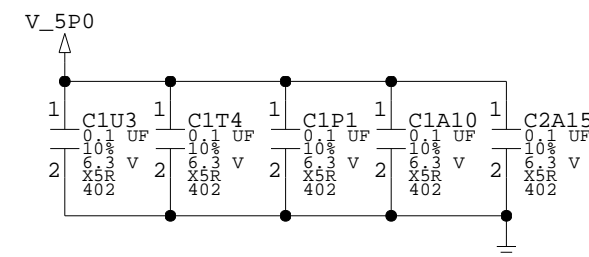
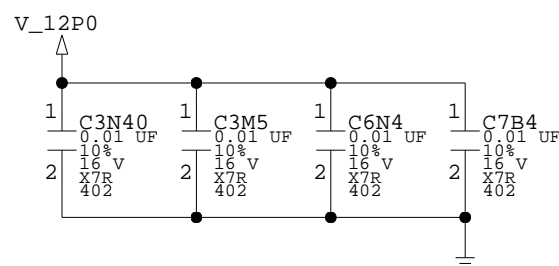
# VREGS, 1P8+GPUPCIE+SBPCIE+CPUPLL+EFUSE



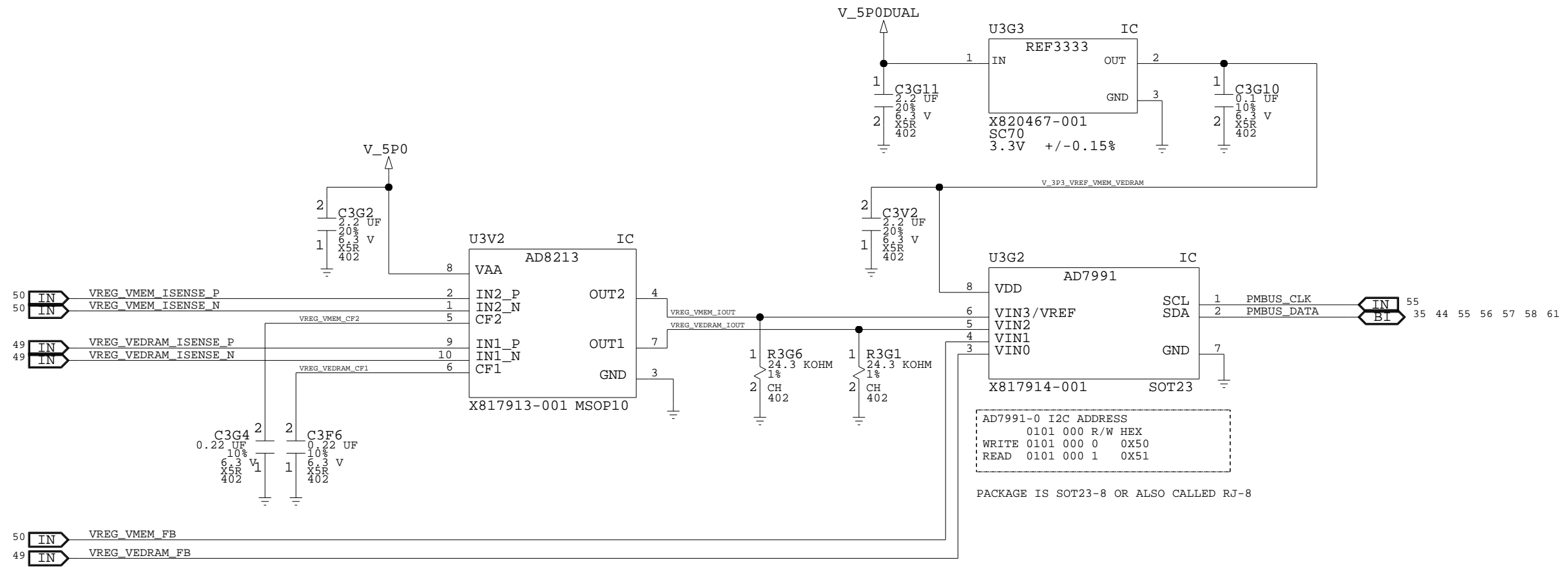
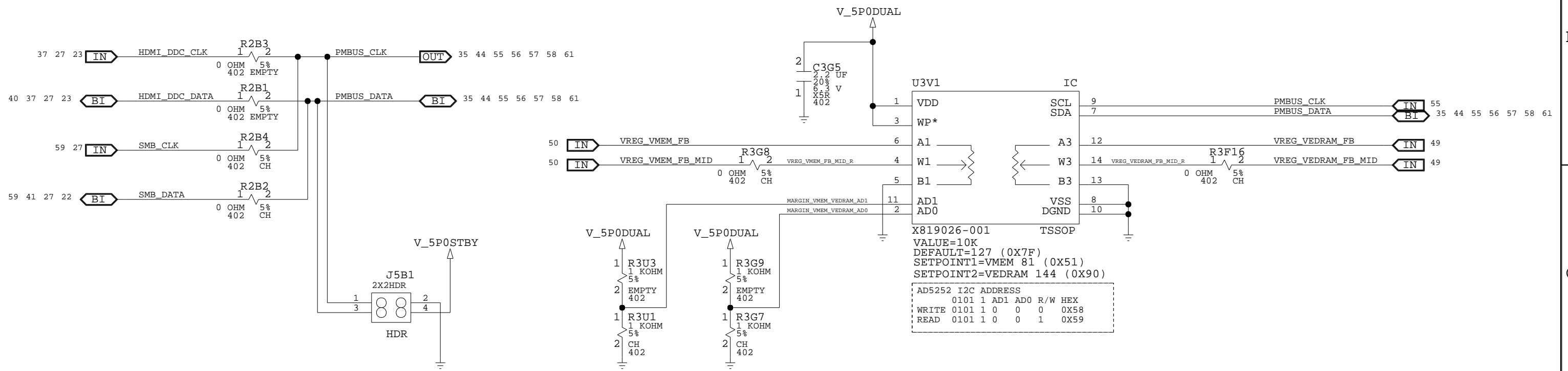
# VREGS, STANDBY SWITCHERS



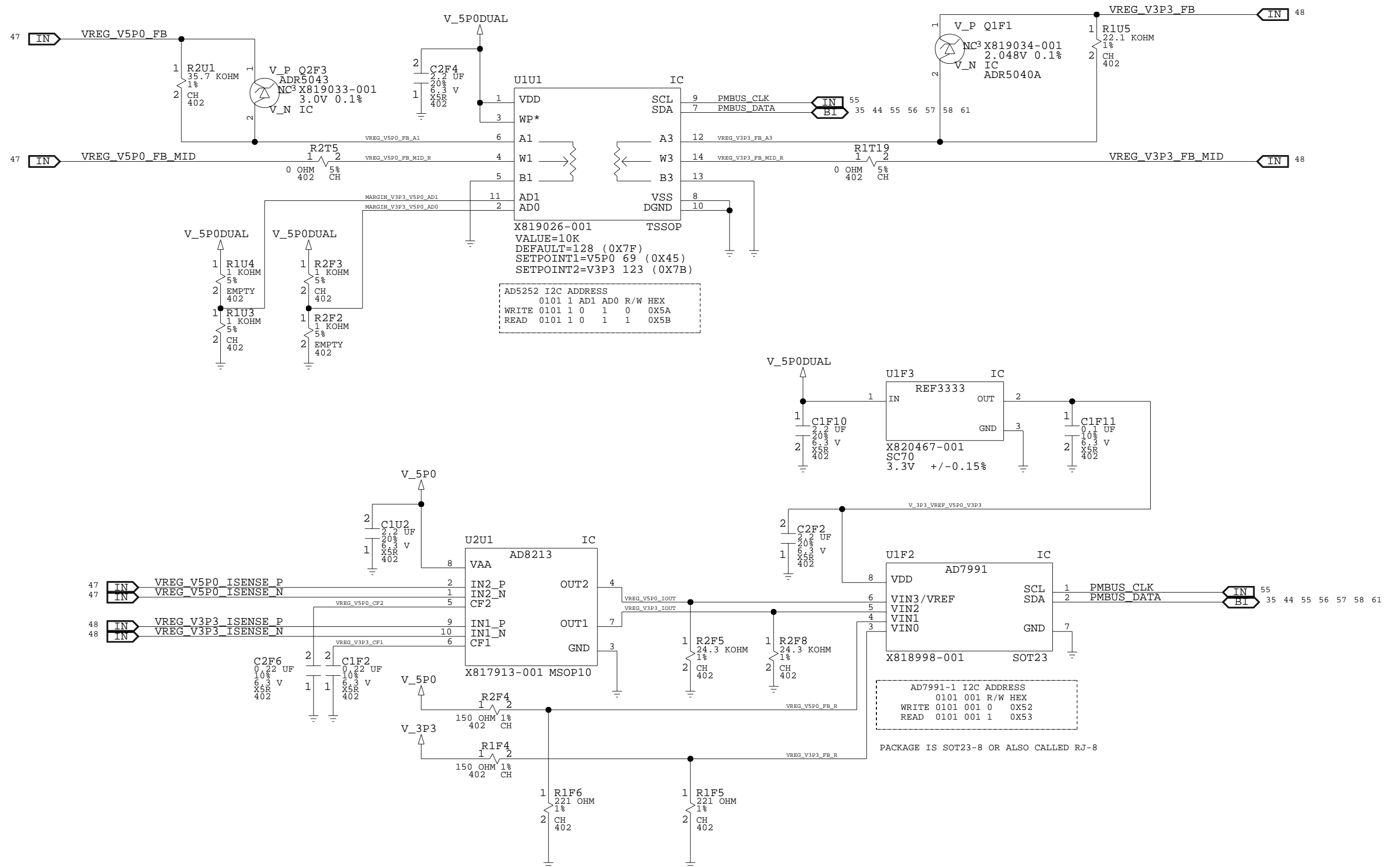
# BOARD LEVEL DECOUPLING



# MARGIN, VMEM + VEDRAM

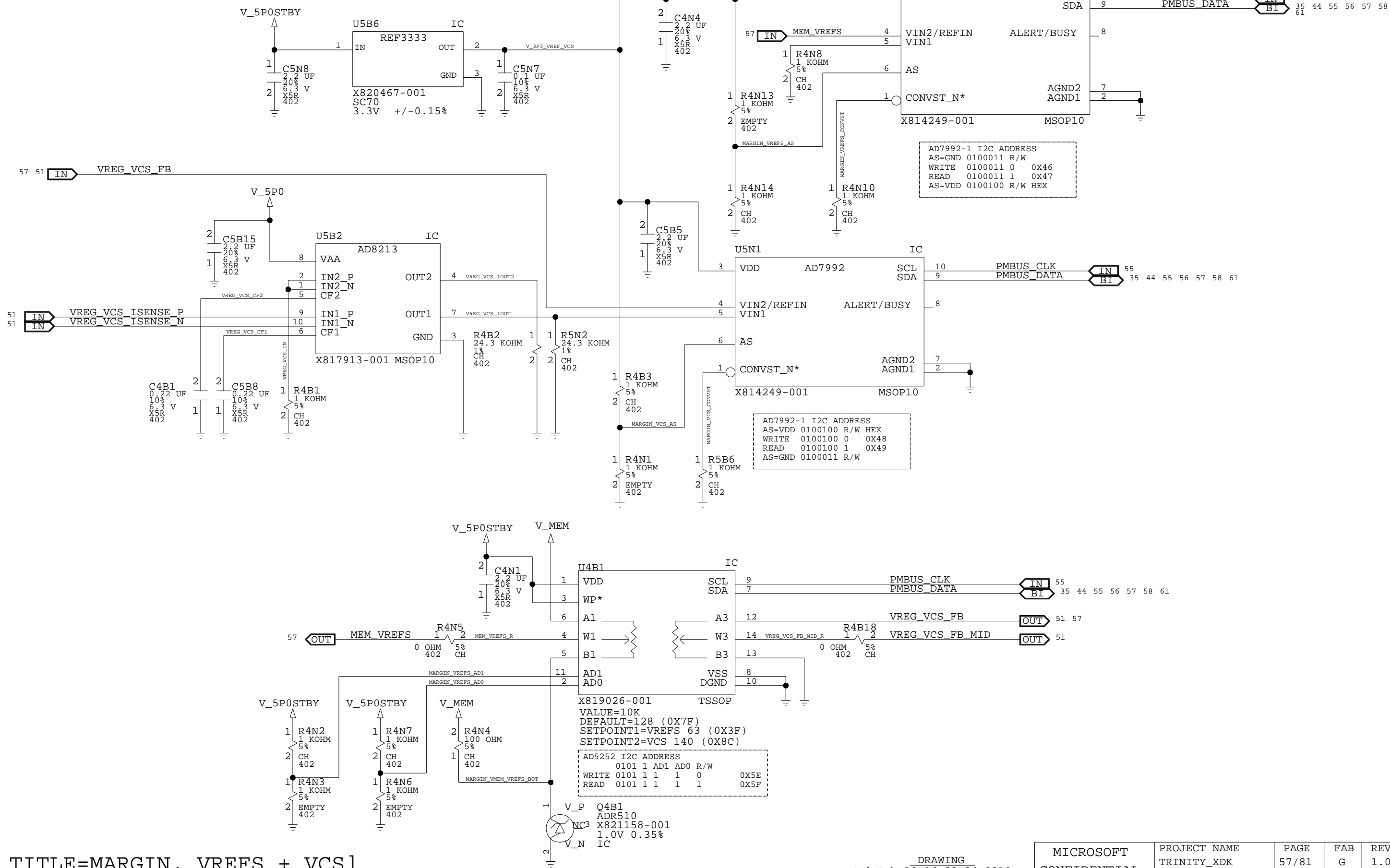


# MARGIN, V3P3 + V5P0





# MARGIN, VREFS + VCS



# MARGIN, VGPUPCIE, VSBPCIE, VCPUPLL, V12P0, TEMP

D

D

C

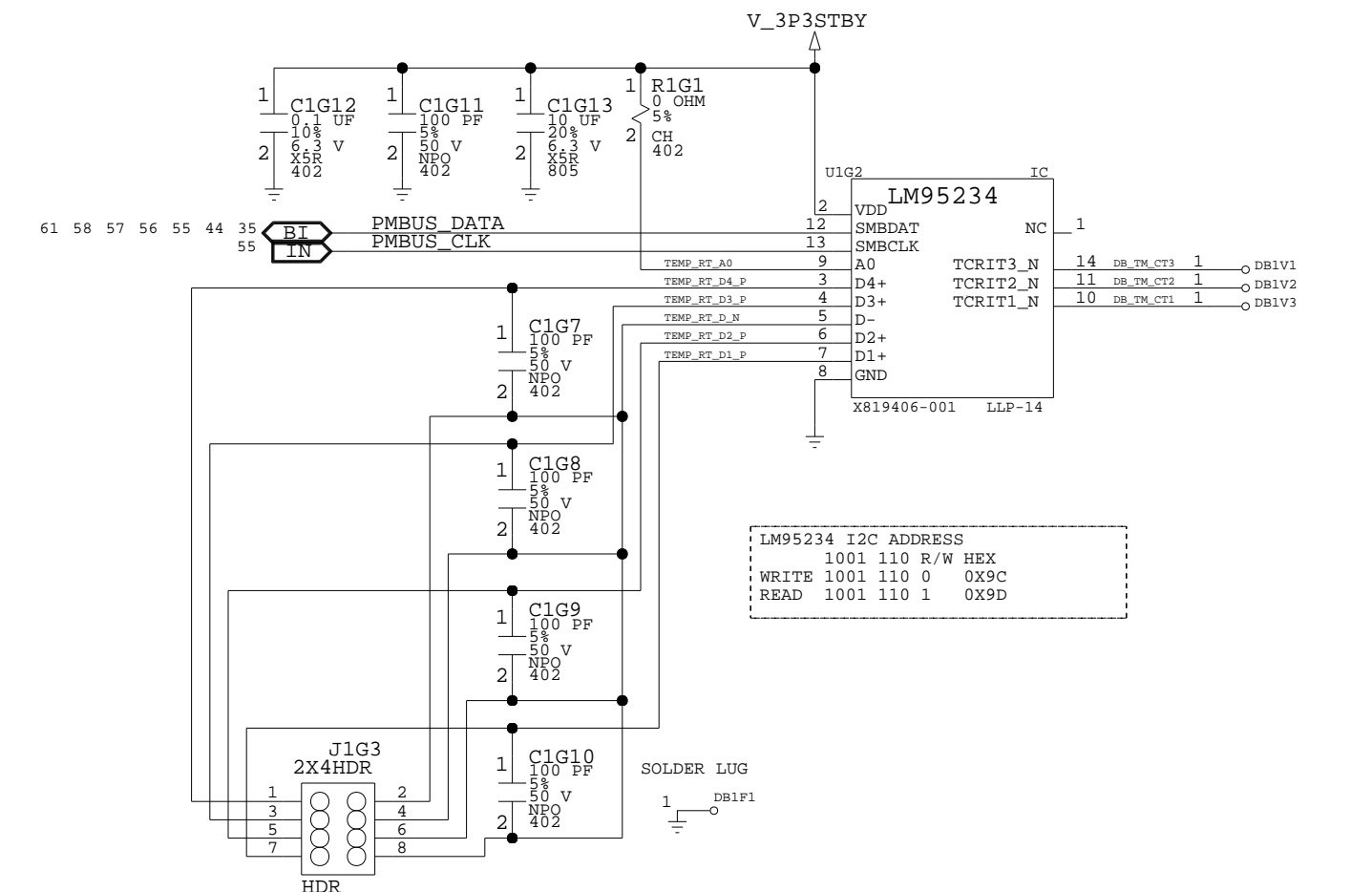
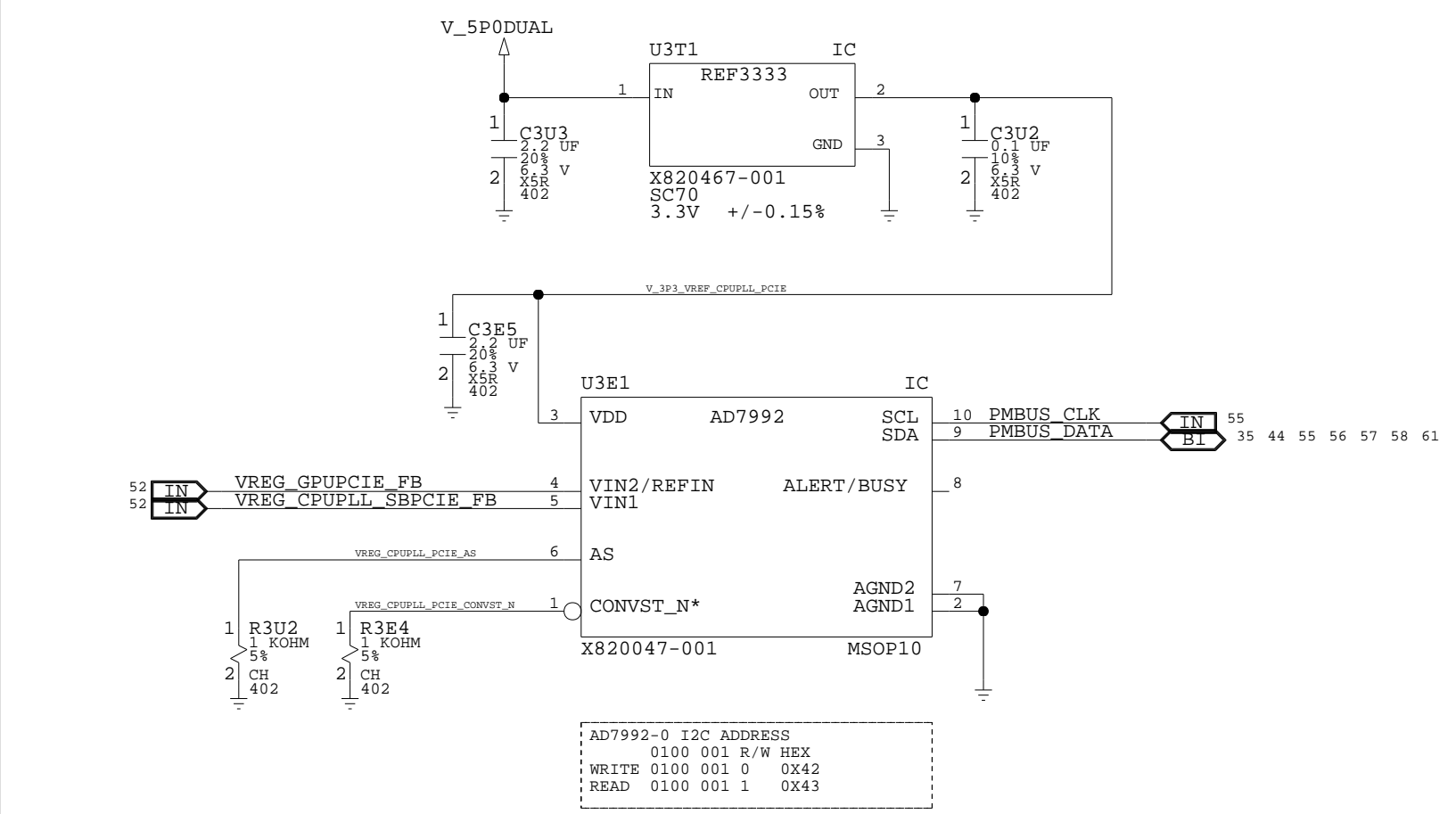
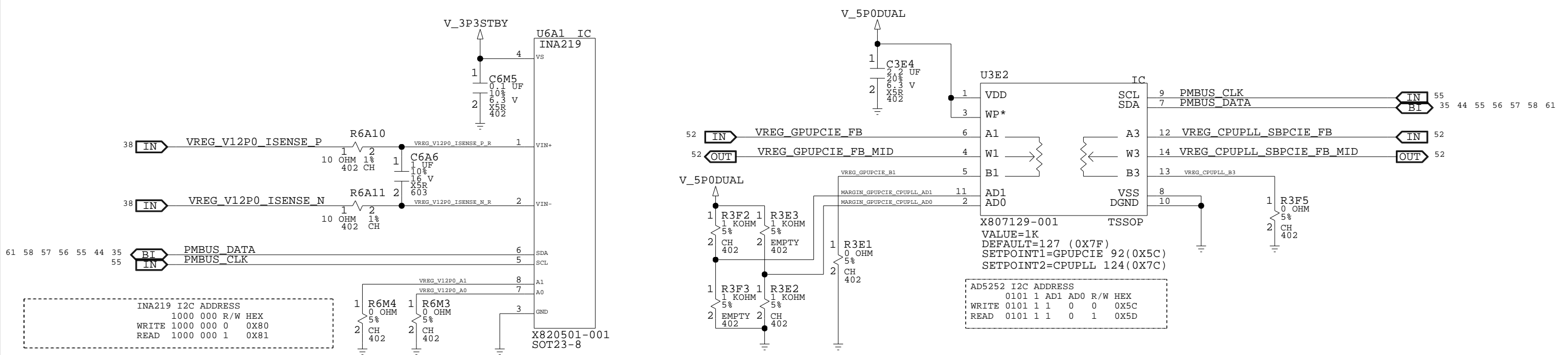
C

B

B

A

A

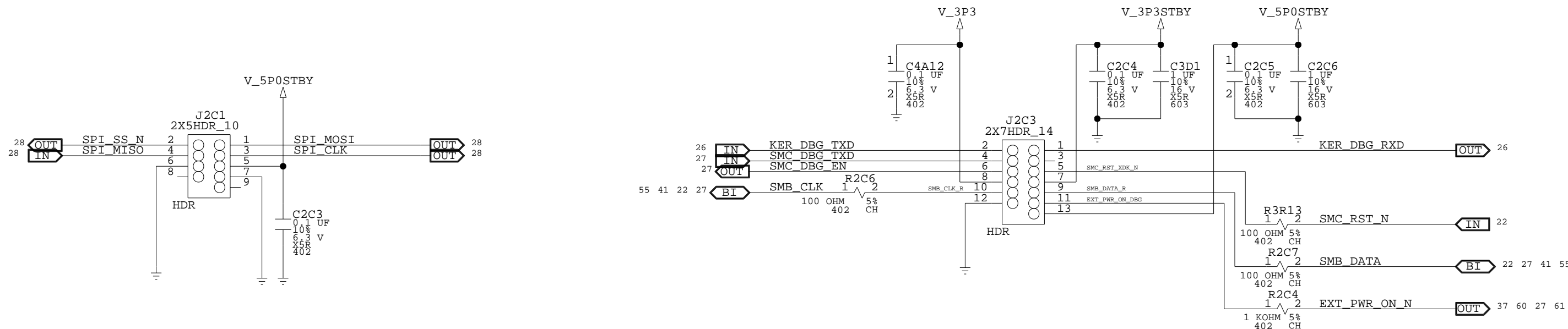


[PAGE\_TITLE=MARGIN, VGPUPCIE, VSBPCIE, VCPUPLL, V12P0, TEMP]

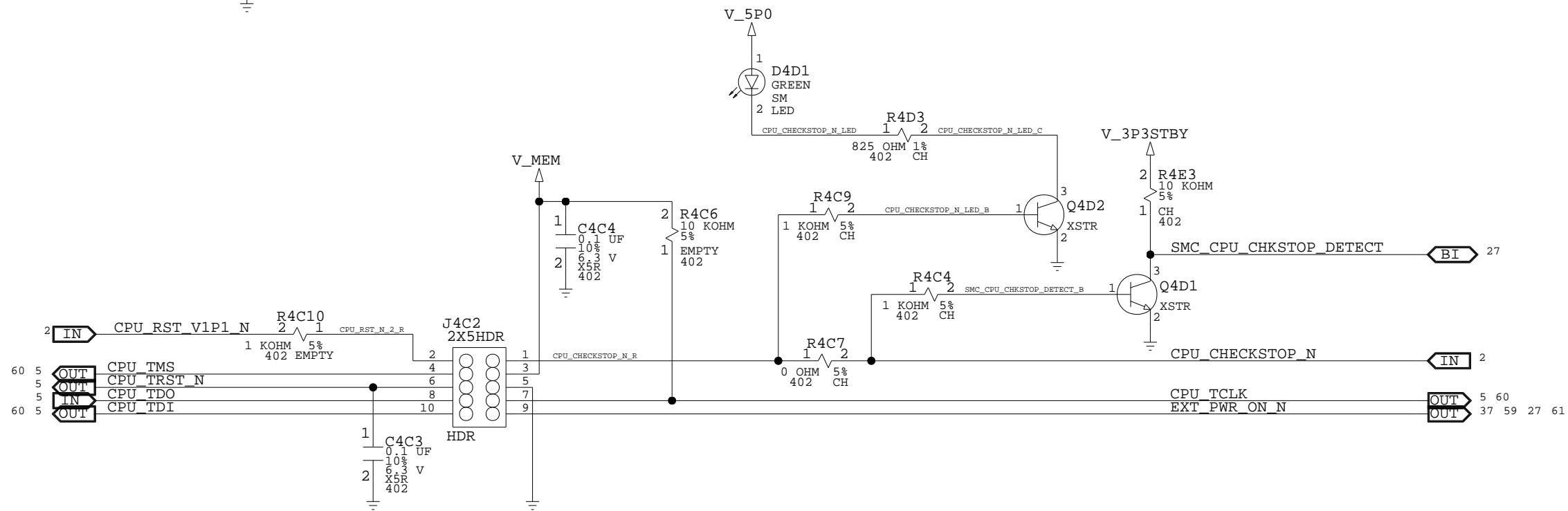
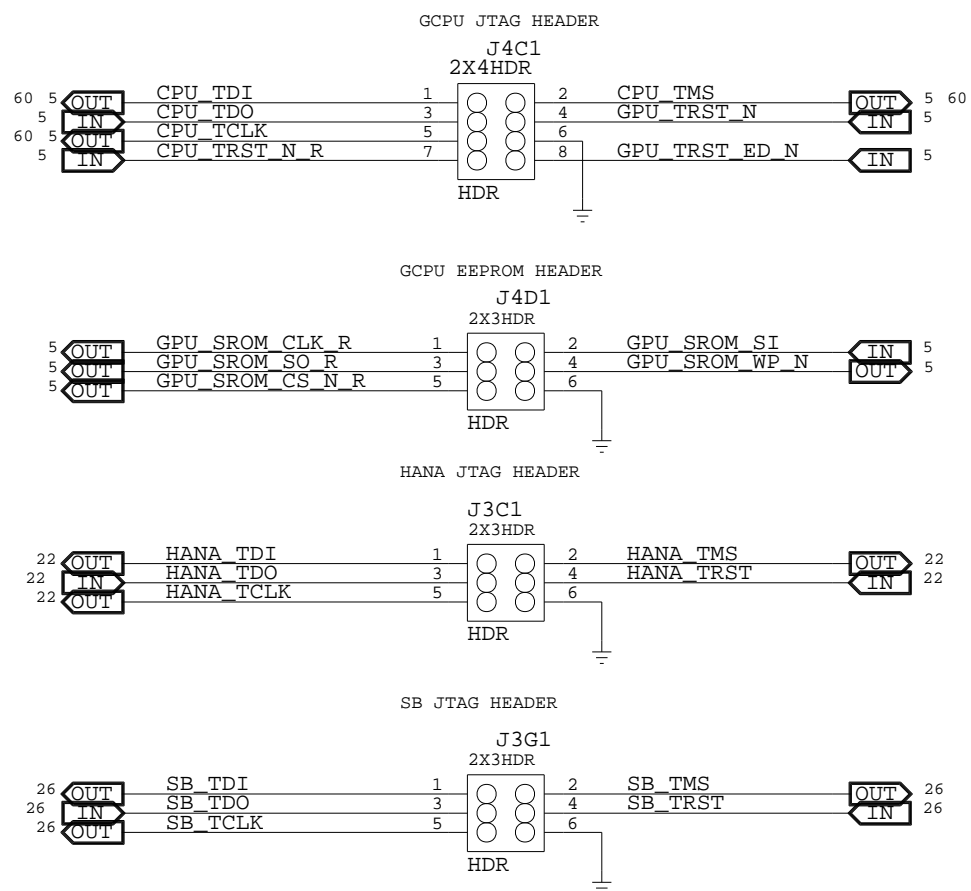
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# XDK, DEBUG CONNECTORS

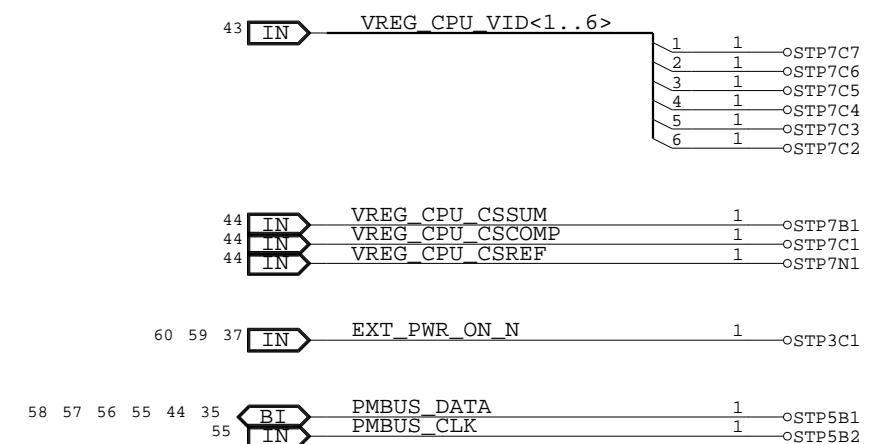
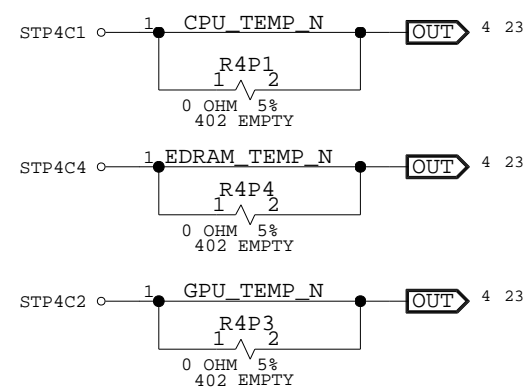
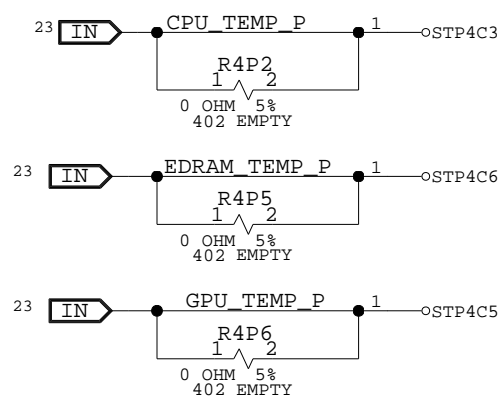
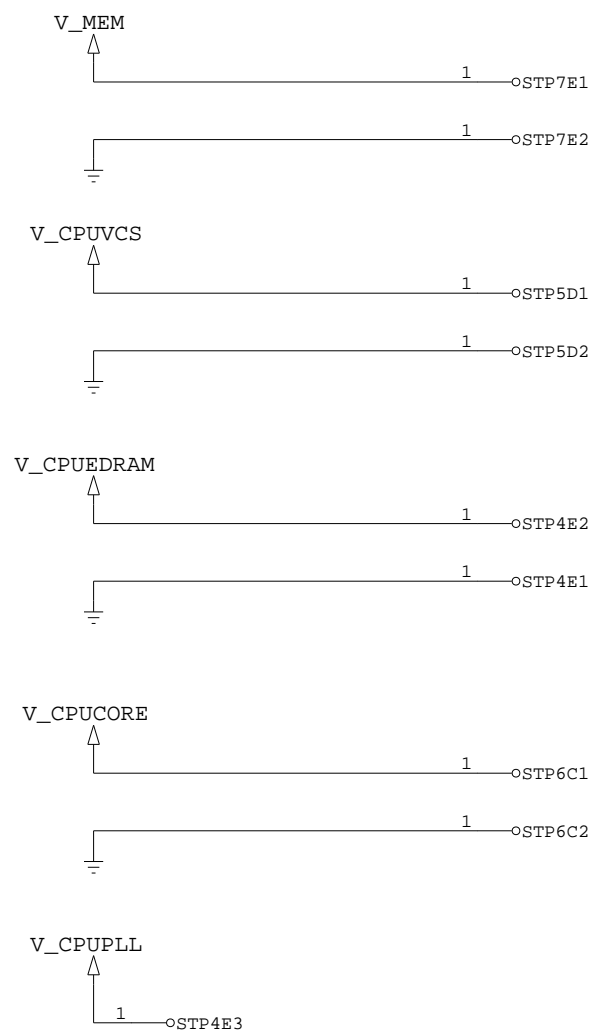


# XDK DEBUG



# DEBUG BOARD, SPYDER CONN

ALL STP POINTS SHALL BE ADDED TO TOP SIDE IN LAYOUT



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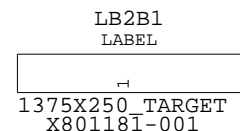
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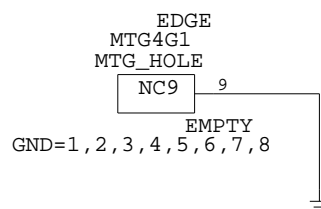
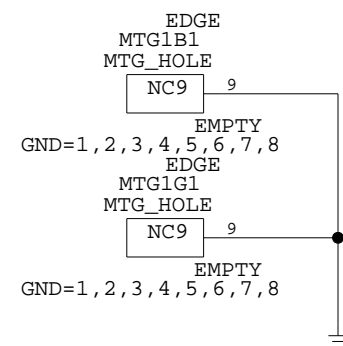
1

# LABELS AND MOUNTING

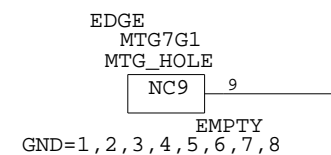
INTELLIGENT SERIAL NUMBER TARGET.



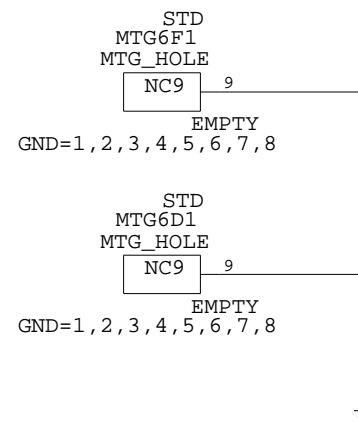
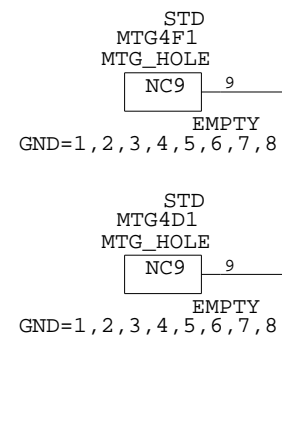
WEST PCB MOUNTING HOLES



EAST PCB MOUNTING HOLES



HEAT SINK MOUNTING HOLES



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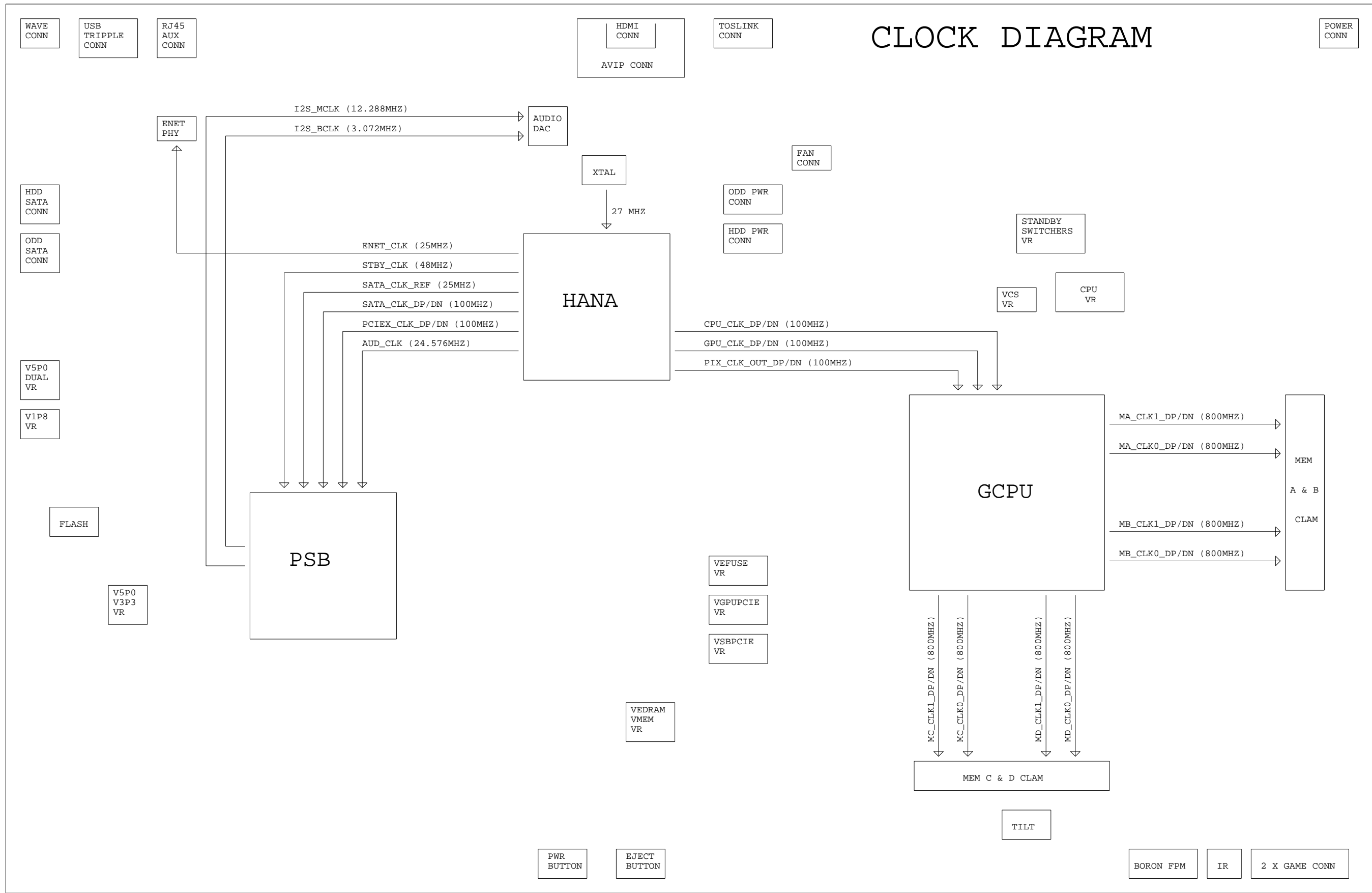
4

3

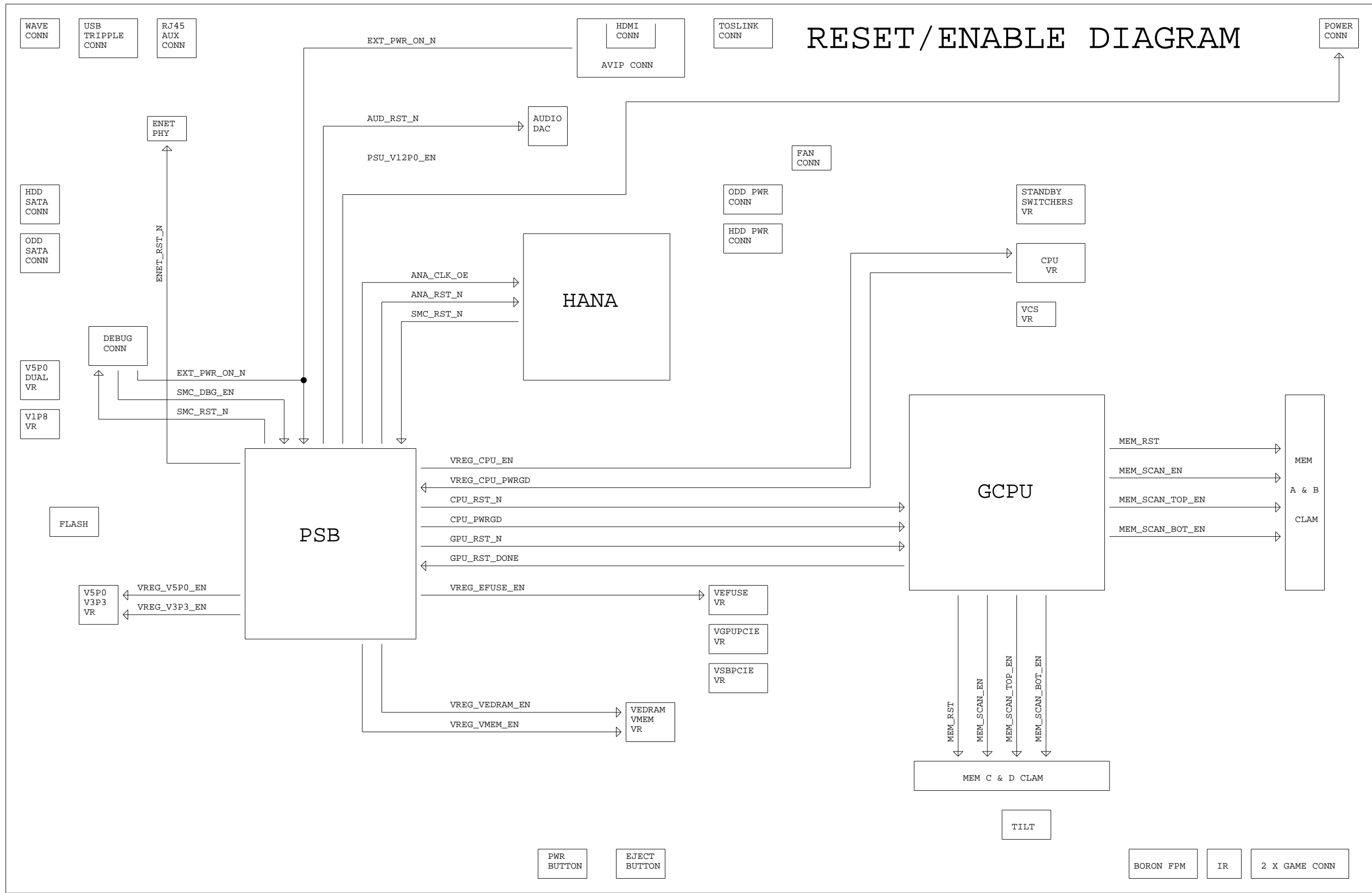
2

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8 7 6 5 4 3 2 1

# REFERENCE TABLE

N: MICREL STUFFED BY DEFAULT

REF	DES TO STUFF
MICREL	ATHEROS
C2C8	C2C8
C2C9	C2C9
C2D1	C2C10
C2D3	C2D2
C2P2	C2D3
C2P3	C2D4
C2P4	C2D5
C2P5	C2P2
C2R5	C2P4
C2R6	C2P5
FB2C1	C2R3
R2D1	FB2C1
R2D2	FB2R1
R2D3	R2D2
R2D4	R2D4
R2D6	R2R1
R2R10	R2R10
R2R2	R2R11
R2R4	R2R12
R2R8	R2R13
U2D1	R2R15
	R2R3
	R2R5
	R2R6
	R2R7
	R2R9
	U2D1

N: FOR MICREL U2D1 IS P/N X819763-001  
 N: FOR Atheros U2D1 IS P/N X820024-001

DIGITAL POTENTIOMETERS			
VOLTAGE RAIL	STEPS	STEP SIZE	I2C R/W ADDRESSES
VMEM	256	0.007031V	W: 01011000 0X58, R: 01011001 0X59
VEDRAM	256	0.004199V	W: 01011000 0X58, R: 01011001 0X59
V5P0	256	0.011719V	W: 01011010 0X5A, R: 01011011 0X5B
V3P3	256	0.008V	W: 01011010 0X5A, R: 01011011 0X5B
VREF	256	0.007031V	W: 01011110 0X5E, R: 01011111 0X5F
VCS	256	?V	W: 01011110 0X5E, R: 01011111 0X5F
GPUPCIE	256	0.005859V	W: 01011100 0X5C, R: 01011101 0X5D
CPULL_SBPCIE	256	0.007148V	W: 01011100 0X5C, R: 01011101 0X5D

ANALOG TO DIGITAL CONVERTERS			
VOLTAGE RAIL	STEPS	STEP SIZE	I2C R/W ADDRESSES
VMEM	4096	0.001221V	W: 01010000 0X50, R: 01010001 0X51
VEDRAM	4096	0.001221V	W: 01010000 0X50, R: 01010001 0X51
V5P0	4096	0.000806V	W: 01010010 0X52, R: 01010011 0X53
V3P3	4096	0.000806V	W: 01010010 0X52, R: 01010011 0X53
VCS	4096	0.000806V	W: 01001000 0X48, R: 01001001 0X49
MEM_VREF	4096	0.000806V	W: 01000110 0X46, R: 01000111 0X47
GPUPCIE	4096	0.000806V	W: 01000010 0X42, R: 01000011 0X43
CPULL_SBPCIE	4096	0.000806V	W: 01000010 0X42, R: 01000011 0X43

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# TRINITY DOC TRACKER

DOC #	DESCRIPTION
H08752	TRINITY CONSOLE MONITORING AND MARGINING
H08772	TRINITY CONSOLE FAN DRIVER / THERMAL ALGORITHM
H09297	TRINITY HS PWM FAN SPECIFICATION
H07617	TRINITY VEJLE THERMAL DESIGN AND QUAL SPECIFICATION
H05204	TRINITY PCB TECHNOLOGY SPECIFICATION
H08753	TRINITY CONSOLE HDD SPECIFICATION
H08938	ODD COMP SPEC
H08939	ODD ATA INTERFACE SPEC
H02235	ODD AP MEDIA SPECIFICATION
H08771	TRINITY CONSOLE TEST HOOK SPECIFICATION DFM GUIDELINES
H08756	TRINITY CONSOLE USB SPECIFICATION
H08762	TRINITY CONSOLE V_5P0 REGULATOR SPECIFICATION TRINITY CONSOLE V_5P0DUAL SPECIFICATION TRINITY CONSOLE BLEEDER SPECIFICATION
H08759	TRINITY CONSOLE V_CPUVCS REGULATOR SPECIFICATION
H08760	TRINITY CONSOLE V_3P3STBY REGULATOR SPECIFICATION
H08761	TRINITY CONSOLE V_1P8STBY REGULATOR SPECIFICATION
H08763	TRINITY CONSOLE V_3P3 REGULATOR SPECIFICATION
H08764	TRINITY CONSOLE V_MEM REGULATOR SPECIFICATION
H08765	TRINITY CONSOLE V_EDRAM REGULATOR SPECIFICATION
H08766	TRINITY CONSOLE LINEAR REGULATOR SPECIFICATION
H08767	TRINITY CONSOLE VR ARCHITECTURE
H08758	TRINITY CONSOLE V_CPUCORE REGULATOR SPECIFICATION SMC POR FLOWCHART
H08768	TRINITY CONSOLE SYSTEM MANAGEMENT SPECIFICATION
H08773	TRINITY CONSOLE DVD EJECT CAPACITIVE TOUCH SPECIFICATION
H09553	TRINITY CONSOLE WIFI MODULE SPECIFICATION
H08777	TRINITY CONSOLE SPECIFICATION TEMPLATE
H08776	TRINITY CONSOLE FPM REQUIREMENTS DOCUMENT
H08754	TRINITY CONSOLE AUDIO / VIDEO SPECIFICATION
H08757	TRINITY CONSOLE IR SPECIFICATION
H08770	TRINITY CONSOLE TILT SWITCH SPECIFICATION
H08775	TRINITY CONSOLE FPM LED DISPLAY SPECIFICATION
H08774	TRINITY CONSOLE EMI/ESD/SAFETY SPECIFICATION
H08676	CONSOLE USAGE MODEL AND RELIABILITY BUDGET
H08750	TRINITY CONSOLE PLATFORM DESIGN GUIDE
H08778	TRINITY CONSOLE POWER BUDGET
H08780	TRINITY CONSOLE ACOUSTICS MODEL
H09169	TRINITY RJ45 + AUX INTERFACE AND CONNECTOR SPEC CONSOLE RELIABILITY SPECIFICATION
H08751	TRINITY CONSOLE FLASH SPECIFICATION
H08769	TRINITY CONSOLE PLL SPECIFICATION
H08755	TRINITY CONSOLE ETHERNET SPECIFICATION
H08945	TRINITY DC CABLE AND CONNECTOR SPEC H08945
H08946	TRINITY PSU SPECS H08946

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Title: Basenet Report  
 Design: trinity  
 Date: Feb 10 16:21:00 2010

Base nets and synonyms for  
 trinity\_lib.TRINITY(@trinity\_lib.trinity(  
 sch\_1))  
 Base Signal  
 Location([Zone][dir])

ACCELEROMETER_INT	35C4
ANA_CLK_OE	27D1 22C8
ANA_CLK_OE_R	22C6
ANA_RST_N	27D1 22D7
ANA_V12P0_PWRGD	22D3 27D1 42B8
ANA_VID_INT	23D1 26B2
AUD_CLK	22A1 29C7
AUD_CLK_R	22B4
AUD_L_OUT	33C1 37C7
AUD_RDY_BSBY	26A2 35A3
AUD_RST_N	26B2 33B7
AUD_R_OUT	33B1 37C7
AUD_SPI_CLK	26A6 35A7
AUD_SPI_MISO	35A3 26A6
AUD_SPI_MOSI	26A4 35A7
AUD_SSB	26A1 35A7
AUD_VOUTL	33B4
AUD_VOUTL_R	33B3
AUD_VOUTR	33B4
AUD_VOUTR_R	33B3
AV_MODE0	37C3 27B8 37B3
AV_MODE0_R	27B6
AV_MODE1	37C3 27B8 37C3
AV_MODE1_R	27B6
AV_MODE2	37C3 27B8 37C3
AV_MODE2_R	27B6
BINDSW_N	38A8 27C1
BINDSW_N_R	38A6
BLEEDER_B	42B2
BLEEDER_C1	42B2
BLEEDER_C2	42B2
BLEEDER_V12P0_B1	42B7
BLEEDER_V12P0_B2	42C5
BLEEDER_V12P0_C1	42B6
BLEEDER_V12P0_C2	42B6
BLEEDER_V12P0_LOAD	42B5
BMA_PS_R	35C5
BND_GAP_CAP	23A5
BORONFPMPORT_DN	28C2 38B8
BORONFPMPORT_DP	28C2 38B8
BORONFPM_CLK	27A1 38A8
BORONFPM_DATA	27A1 38A8
BRD_TEMP_N	23C2 38A8 23A8
BRD_TEMP_N_R	38A6
BRD_TEMP_P	23A1 23C2 38A8
BRD_TEMP_P_R	38A6
CAL_TEMP_N	23A1 23A8

CAL_TEMP_P	23A4
CAPX	35C4
CAPY	35C4
CAPZ	35C4
CORE_HF_BGR_PLL	2A1
CPU_CHECKSTOP_N	2D1 60A2
CPU_CHECKSTOP_N_LED	60B5
CPU_CHECKSTOP_N_LED_B	60A4
CPU_CHECKSTOP_N_LED_C	60B4
CPU_CHECKSTOP_N_R	60A5
CPU_CLK_DN	22D1 2C7
CPU_CLK_DN_R	22C4
CPU_CLK_DN_R2	2C7
CPU_CLK_DP	22D1 2C7
CPU_CLK_DP_R	22C4
CPU_CLK_DP_R2	2C7
CPU_CORE_HF_CLKOUT_DN	6D1
CPU_CORE_HF_CLKOUT_DP	6D1
CPU_DBG0_POST0	3A5
CPU_DBG1_POST1	3A5
CPU_DBG2_POST2	3A5
CPU_DBG3_POST3	3A5
CPU_DBG4_POST4	3A5
CPU_DBG5_POST5	3A5
CPU_DBG6_POST6	3A5
CPU_DBG7_POST7	3A5
CPU_DBG8_RST0	3A5
CPU_DBG9_RST1	3A5
CPU_DBG10_RST2	3A5
CPU_DBG11_GPU_HB_TP	3A5
CPU_DBG12_CPUCLK0_TP	3A5
CPU_DBG13_CPUCLK1_TP	3A5
CPU_DBG14_GPUCLK0_TP	3A5
CPU_DBG15_GPUCLK1_TP	3A5
CPU_DBG_RST_EN	2B7
CPU_DBG_TBCLK0	3D7
CPU_DBG_TBCLK1	3D7
CPU_DLL_SNIF_OUT	3D7
CPU_DLL_SNIF_OUT_TP	3D5
CPU_EXT_CLK_EN	2B7
CPU_LIMIT_BYPASS	2B1
CPU_PLL_BYPASS	2B1
CPU_PSRO0_OUT	2B7
CPU_PWRGD	27A1 2D7
CPU_RST_N	27B1 2D7
CPU_RST_N_2_R	60A6
CPU_RST_V1P1_N	2D1 60A7
CPU_SRVID	2B1 51B8
CPU_TCLK	5C8 60A2 60D8
CPU_TDI	5C8 60A7 60D8
CPU_TDO	5C8 60A7 60D8
CPU_TEMP_N	4B8 61C3 23A8
CPU_TEMP_P	23A1 4B8 61C6
CPU_TINIT	2A6
CPU_TMS	5C8 60A7 60D6
CPU_TRST_N	5C8 60A7
CPU_TRST_N_R	5C8 60D8

CPU_VDDS0_DN	6D8
CPU_VDDS0_DP	6D8
CPU_VDDS1_DN	6D8
CPU_VDDS1_DP	6D8
CPU_VGATE	2B7
CPU_VREG_APS1	2C1 43C7
CPU_VREG_APS2	2C1 43D7
CPU_VREG_APS3	2C1 43D7
CPU_VREG_APS4	2C1 43D7
CPU_VREG_APS5	2C1 43D7
CPU_VREG_APS6	2C1 43D7
DBG_LED0	27A8
DB_TM_CT1	58B1
DB_TM_CT2	58B1
DB_TM_CT3	58B1
DFM_THIEVING_PADS_REQUIREMENT3	38D5
ECB_CLK_BYP	26D6
ECB_CLK_SEL	26D6
EDRAM_PSRO_DOUT	2B7
EDRAM_TEMP_N	4B8 61B3 23A8
EDRAM_TEMP_P	23A1 4B8 61B6
EJECTSW_N	38A8 27C1 35A3
EJECTSW_N_R	38A6
ENET_1_8VEXT	32C5
ENET_ACT_N	32A3
ENET_CLK	22A1 32B8
ENET_CLK_R	22C4
ENET_LINK_N	32A3
ENET_REF_CLK_OUT	32B5
ENET_REXT	32B5
ENET_RSTN_R	32A5
ENET_RST_N	26B2 32A8 32B8
ENET_RX_DN	32A8 38B8
ENET_RX_DP	32A8 38C8
ENET_RX_TERM	38C7
ENET_TX_DN	32A1 38C8
ENET_TX_DP	32A1 38C8
ENET_TX_TERM	38C7
EN_TEST0_N	27A6
EN_TEST1_N	27A6
EXPPORT_PORT1_DN	28B7 39C4
EXPPORT_PORT1_DP	28B7 39C4
EXPPORT_PORT2_DN	28B7 39B4
EXPPORT_PORT2_DP	28B7 39B4
EXPPORT_PORT3_DN	28A7 39A4
EXPPORT_PORT3_DP	28B7 39A4
EXPPORT_RJ45_DN	28B7 38C5
EXPPORT_RJ45_DP	28B7 38C5
EXT_PWR_ON_DBG	59C3
EXT_PWR_ON_N	37D3 59C1 60A2 27C8
EXT_PWR_ON_R	37C3 61B2
EXT_PWR_ON_R	27C6
FAN1_FDBK	36B4 23A6
FAN1_FDBK_R	36B6
FAN1_OUT	23A2 36C6
FAN1_Q1_C	36C5
FAN1_Q1_E	36C5

FAN_OP1_DP	23A7
FAN_PULLUP	36C2
FLSH_ALE	28C2 34B5
FLSH_CE_N	28C2 34B5
FLSH_CLE	28C2 34B5
FLSH_DATA<7..0>	28C7 34C8
FLSH_NC38	34C2
FLSH_READY	34C1 28B7
FLSH_RE_N	28C2 34B5
FLSH_WE_N	28C2 34B5
FLSH_WP_N	28C7 34B5
GAMEPORT1_DN	28B2 39D8
GAMEPORT1_DP	28B2 39D8
GAMEPORT2_DN	28B2 39C8
GAMEPORT2_DP	28B2 39C8
GND_DECOUPLE	32A5
GPU_CLK_DN	22D1 4D8
GPU_CLK_DN_C	4C8
GPU_CLK_DN_R	22C4
GPU_CLK_DN_R2	4D6
GPU_CLK_DP	22D1 4D8
GPU_CLK_DP_C	4D8
GPU_CLK_DP_R	22C4
GPU_CLK_DP_R2	4D6
GPU_DBG_RST_EN	2B7
GPU_HSYNC_OUT	4B1 23C8
GPU_PIX_CLK_1X	4C2 23D8
GPU_RST_DONE	4D2 27C1
GPU_RST_DONE_R	27C4
GPU_RST_N	27A1 4C8
GPU_SROM_CLK_R	60C8 5B1
GPU_SROM_CS	5C4
GPU_SROM_CS_N_R	60C8 5B1
GPU_SROM_EN	5C4
GPU_SROM_SCLK	5C4
GPU_SROM_SI	5B1 60C6
GPU_SROM_SO	5C4
GPU_SROM_SO_R	60C8 5B1
GPU_SROM_WP_N	60C6 5B1
GPU_TEMP_N	4B8 61B3 23A8
GPU_TEMP_P	23A1 4C8 61B6
GPU_TRST_ED_N	5B8 60D6
GPU_TRST_N	5B8 60D6
GPU_VSYNC_OUT	4B1 23C8
HANA_AV_CLK	22B4
HANA_CLK_DRV_RSET1	22C6
HANA_CLK_DRV_RSET2	22C6
HANA_DAC_RSET	23C6
HANA_OP2_DN	23A2 23B6
HANA_OP2_DP	23B6
HANA_OP2_OUT	23A4
HANA_PIX_CLK_2X_DN	22B1 4C8
HANA_PIX_CLK_2X_DN_R	22C4
HANA_PIX_CLK_2X_DP	22B1 4C8
HANA_PIX_CLK_2X_DP_R	22C4
HANA_POR_BYPASS	22D6
HANA_SPDIF_OUT	23A2 37D8 39A8

HANA_TCLK	60C8	22B8
HANA_TDI	60C8	22B8
HANA_TDO	22B8	60C8
HANA_TMS	60C6	22B8
HANA_TRST	22B8	60C6
HANA_V_12P0_DET	22D6	
HANA_V_12P0_DET_R	22D5	
HANA_XTAL_BYPASS	22C6	
HANA_XTAL_IN	22C6	
HANA_XTAL_OUT	22C6	
HANA_XTAL_VSS_CAP	22C6	
HBEDB_CLK_BYP	26D6	
HBEDB_CLK_SEL	26D6	
HDD_RX_DN	41C8	29B7
HDD_RX_DN_C	41C6	
HDD_RX_DP	41C8	29B7
HDD_RX_DP_C	41C6	
HDD_TX_DN	29A1	41D8
HDD_TX_DN_C	41D6	
HDD_TX_DP	29A1	41D8
HDD_TX_DP_C	41D6	
HDMI_CEC	40B3	
HDMI_DDC_CLK	23A2	27B8 37D3 40A8
55D8		
HDMI_DDC_DATA	23A2	27C8 37C3 40A8
55D8		
HDMI_EXT_SWING	23C4	
HDMI_HPD	40A1	23C8
HDMI_HPD_PIN	40A3	
HDMI_TX0_DN	23A1	40C8
HDMI_TX0_DP	23B1	40C8
HDMI_TX0_DP_R	23B2	
HDMI_TX1_DN	23B1	40C8
HDMI_TX1_DP	23B1	40D8
HDMI_TX1_DP_R	23B2	
HDMI_TX2_DN	23B1	40D8
HDMI_TX2_DP	23B1	40D8
HDMI_TX2_DP_R	23B2	
HDMI_TXC_DN	23B1	40B8
HDMI_TXC_DP	23C1	40B8
HDMI_TXC_DP_R	23C2	
I2S_BCLK	29B1	23C8 33B7
I2S_BCLK_R	29B4	
I2S_MCLK	29B1	33B7
I2S_MCLK_R	29B4	
I2S_SD	29B1	23B8 33B7
I2S_SD1	23B6	
I2S_SD2	23B6	
I2S_SD3	23B6	
I2S_SD_R	29B4	
I2S_WS	29B1	23C8 33B7
I2S_WS_R	29B4	
IR_DATA	35B5	27A8
KER_DBG_RXD	59C1	26C7
KER_DBG_TXD	26C1	59C5
KER_DBG_TXD_R	26C3	
LVLICNT	37C7	

MARGIN_GPUPCIE_CPUPLL_AD0	58C4	
MARGIN_GPUPCIE_CPUPLL_AD1	58C4	
MARGIN_V3P3_V5P0_AD0	56C6	
MARGIN_V3P3_V5P0_AD1	56C6	
MARGIN_VCS_AS	57B5	
MARGIN_VCS_CONVST	57B4	
MARGIN_VMEM_VEDRAM_AD0	55C4	
MARGIN_VMEM_VEDRAM_AD1	55C4	
MARGIN_VMEM_VREFS_BOT	57A6	
MARGIN_VREFS_AD0	57A6	
MARGIN_VREFS_AD1	57A6	
MARGIN_VREFS_AS	57D4	
MARGIN_VREFS_CONVST	57C4	
MA_A<11..0>	12C5	14C8 15C8
MA_BA<2..0>	12C5	14C8 15C8
MA_CAS_N	12B5	14B8 15B8
MA_CKE	12B5	14B8 15B8
MA_CLK0_DN	12C5	14D8
MA_CLK0_DP	12C5	14D8
MA_CLK1_DN	12C5	15D8
MA_CLK1_DP	12C5	15D8
MA_CS0_N	12B5	14B8
MA_CS1_N	12B5	14B8 15B8
MA_DM0	12B8	14B4 15B5
MA_DM1	12C8	14B4 15B5
MA_DM2	12C8	14C4 15C5
MA_DM3	12D8	14C4 15C5
MA_DQ0	12B8	14B4 15B5
MA_DQ1	12B8	14B4 15B5
MA_DQ2	12B8	14B4 15B5
MA_DQ3	12B8	14B4 15B5
MA_DQ4	12B6	12B8 14B4 15B5
MA_DQ5	12B8	14B4 15C5
MA_DQ6	12B8	14B4 15C5
MA_DQ7	12B8	14B4 15C5
MA_DQ8	12C8	14B4 15B5
MA_DQ9	12C8	14B4 15B5
MA_DQ10	12C8	14B4 15B5
MA_DQ11	12C8	14B4 15B5
MA_DQ12	12B6	12C8 14B4 15B5
MA_DQ13	12C8	14B4 15B5
MA_DQ14	12C8	14C4 15B5
MA_DQ15	12C8	14C4 15B5
MA_DQ16	12C8	14C4 15C5
MA_DQ17	12C8	14C4 15C5
MA_DQ18	12C8	14C4 15C5
MA_DQ19	12C8	14C4 15C5
MA_DQ20	12C8	14C4 15D5
MA_DQ21	12C8	14C4 15D5
MA_DQ22	12C8	14C4 15D5
MA_DQ23	12C8	14C4 15D5
MA_DQ24	12D8	14C4 15C5
MA_DQ25	12D8	14C4 15C5
MA_DQ26	12D8	14C4 15C5
MA_DQ27	12D8	14C4 15C5
MA_DQ28	12D8	14C4 15C5
MA_DQ29	12D8	14D4 15C5

MA_DQ30	12D8	14D4 15C5
MA_DQ31	12D8	14D4 15C5
MA_RAS_N	12B5	14B8 15B8
MA_RDQS0	14B4	15B5 12B8
MA_RDQS1	14B4	15B5 12C8
MA_RDQS2	14C4	15C5 12C8
MA_RDQS3	14C4	15C5 12D8
MA_VREF0	12A7	
MA_WDQS0	12A6	12B8 14B4 15B5
MA_WDQS1	12B6	12C8 14B4 15B5
MA_WDQS2	12C8	14C4 15C5
MA_WDQS3	12D8	14C4 15C5
MA_WE_N	12B5	14B8 15B8
MA_ZQ_BOT	15B5	
MA_ZQ_TOP	14B5	
MB_A<11..0>	12C1	16C8 17C8
MB_BA<2..0>	12C1	16B8 17B8
MB_CAS_N	12B1	16B8 17B8
MB_CKE	12B1	16B8 17B8
MB_CLK0_DN	12C1	16C8
MB_CLK0_DP	12C1	16D8
MB_CLK1_DN	12C1	17C8
MB_CLK1_DP	12C1	17D8
MB_CS0_N	12B1	16B8
MB_CS1_N	12B1	16B8 17B8
MB_DM0	12B4	16B5 17B5
MB_DM1	12C4	16B5 17B5
MB_DM2	12C4	16C5 17C5
MB_DM3	12D4	16C5 17C5
MB_DQ0	12B4	16B5 17B5
MB_DQ1	12B4	16B5 17B5
MB_DQ2	12B4	16B5 17B5
MB_DQ3	12B4	16B5 17B5
MB_DQ4	12B2	12B4 16B5 17B5
MB_DQ5	12B4	16B5 17B5
MB_DQ6	12B4	16B5 17B5
MB_DQ7	12B4	16B5 17B5
MB_DQ8	12C4	16B5 17B5
MB_DQ9	12C4	16B5 17B5
MB_DQ10	12C4	16B5 17B5
MB_DQ11	12C4	16B5 17B5
MB_DQ12	12B2	12C4 16B5 17B5
MB_DQ13	12C4	16B5 17B5
MB_DQ14	12C4	16B5 17B5
MB_DQ15	12C4	16B5 17B5
MB_DQ16	12C4	16C5 17C5
MB_DQ17	12C4	16C5 17C5
MB_DQ18	12C4	16C5 17C5
MB_DQ19	12C4	16C5 17C5
MB_DQ20	12C4	16C5 17C5
MB_DQ21	12C4	16C5 17C5
MB_DQ22	12C4	16C5 17C5
MB_DQ23	12C4	16C5 17D5
MB_DQ24	12D4	16C5 17C5
MB_DQ25	12D4	16C5 17C5
MB_DQ26	12D4	16C5 17C5
MB_DQ27	12D4	16C5 17C5

MB_DQ28	12D4	16C5 17C5
MB_DQ29	12D4	16C5 17C5
MB_DQ30	12D4	16C5 17C5
MB_DQ31	12D4	16D5 17C5
MB_RAS_N	12B1	16B8 17B8
MB_RDQS0	16B5	17B5 12B4
MB_RDQS1	16B5	17B5 12C4
MB_RDQS2	16C5	17C5 12C4
MB_RDQS3	16C5	17C5 12D4
MB_VREF0	12A3	
MB_WDQS0	12A2	12B4 16B5 17B5
MB_WDQS1	12B2	12C4 16B5 17B5
MB_WDQS2	12C4	16C5 17C5
MB_WDQS3	12D4	16C5 17C5
MB_WE_N	12B1	16B8 17B8
MB_ZQ_BOT	17A5	
MB_ZQ_TOP	16A5	
MC_A<11..0>	13C5	18C8 19C8
MC_BA<2..0>	13C5	18B8 19B8
MC_CAS_N	13B5	18B8 19B8
MC_CKE	13C5	18B8 19B8
MC_CLK0_DN	13C5	18D8
MC_CLK0_DP	13C5	18D8
MC_CLK1_DN	13C5	19D8
MC_CLK1_DP	13D5	19D8
MC_CS0_N	13B5	18B8
MC_CS1_N	13B5	18B8 19B8
MC_DM0	13B8	18B4 19B4
MC_DM1	13C8	18B4 19B4
MC_DM2	13C8	18C4 19C4
MC_DM3	13D8	18C4 19C4
MC_DQ0	13B8	18B4 19B4
MC_DQ1	13B8	18B4 19B4
MC_DQ2	13B8	18B4 19B4
MC_DQ3	13B8	18B4 19B4
MC_DQ4	13B6	13B8 18B4 19B4
MC_DQ5	13B8	18B4 19B4
MC_DQ6	13B8	18B4 19B4
MC_DQ7	13B8	18B4 19C4
MC_DQ8	13C8	18B4 19B4
MC_DQ9	13C8	18B4 19B4
MC_DQ10	13C8	18B4 19B4
MC_DQ11	13C8	18B4 19B4
MC_DQ12	13B6	13C8 18B4 19B4
MC_DQ13	13C8	18B4 19B4
MC_DQ14	13C8	18C4 19B4
MC_DQ15	13C8	18C4 19B4
MC_DQ16	13C8	18C4 19C4
MC_DQ17	13C8	18C4 19C4
MC_DQ18	13C8	18C4 19C4
MC_DQ19	13C8	18C4 19C4
MC_DQ20	13C8	18C4 19C4
MC_DQ21	13C8	18C4 19C4
MC_DQ22	13C8	18C4 19D4
MC_DQ23	13D8	18C4 19D4
MC_DQ24	13D8	18C4 19C4
MC_DQ25	13D8	18C4 19C4

MC_DQ26	13D8 18C4 19C4
MC_DQ27	13D8 18C4 19C4
MC_DQ28	13D8 18C4 19C4
MC_DQ29	13D8 18D4 19C4
MC_DQ30	13D8 18D4 19C4
MC_DQ31	13D8 18D4 19C4
MC_RAS_N	13B5 18B8 19B8
MC_RDQS0	18B4 19B4 13B8
MC_RDQS1	18B4 19B4 13C8
MC_RDQS2	18C4 19C4 13C8
MC_RDQS3	18C4 19C4 13D8
MC_VREF0	13A7
MC_WDQS0	13B5 13B8 18B4 19B4
MC_WDQS1	13B5 13C8 18B4 19B4
MC_WDQS2	13C8 18C4 19C4
MC_WDQS3	13D8 18C4 19C4
MC_WE_N	13B5 18B8 19B8
MC_ZQ_BOT	19B5
MC_ZQ_TOP	18B5
MD_A<11..0>	13C1 20C8 21C8
MD_BA<2..0>	13C1 20C8 21B8
MD_CAS_N	13B1 20B8 21B8
MD_CKE	13C1 20B8 21B8
MD_CLK0_DN	13C1 20D8
MD_CLK0_DP	13C1 20D8
MD_CLK1_DN	13C1 21D8
MD_CLK1_DP	13D1 21D8
MD_CS0_N	13B1 20B8
MD_CS1_N	13B1 20B8 21B8
MD_DM0	13B4 20B4 21B5
MD_DM1	13C4 20B4 21B5
MD_DM2	13C4 20C4 21C5
MD_DM3	13D4 20C4 21C5
MD_DQ0	13B4 20B4 21B5
MD_DQ1	13B4 20B4 21B5
MD_DQ2	13B4 20B4 21B5
MD_DQ3	13B4 20B4 21B5
MD_DQ4	13B4 20B4 21B5
MD_DQ5	13B4 20B4 21B5
MD_DQ6	13B4 20B4 21C5
MD_DQ7	13B4 20B4 21C5
MD_DQ8	13C4 20B4 21B5
MD_DQ9	13C4 20B4 21B5
MD_DQ10	13C4 20B4 21B5
MD_DQ11	13C4 20B4 21B5
MD_DQ12	13B2 13C4 20C4 21B5
MD_DQ13	13C4 20C4 21B5
MD_DQ14	13C4 20C4 21B5
MD_DQ15	13C4 20C4 21B5
MD_DQ16	13C4 20C4 21C5
MD_DQ17	13C4 20C4 21C5
MD_DQ18	13C4 20C4 21C5
MD_DQ19	13C4 20C4 21C5
MD_DQ20	13C4 20C4 21C5
MD_DQ21	13C4 20C4 21D5
MD_DQ22	13C4 20C4 21D5
MD_DQ23	13D4 20C4 21D5

MD_DQ24	13D4 20C4 21C5
MD_DQ25	13D4 20C4 21C5
MD_DQ26	13D4 20C4 21C5
MD_DQ27	13D4 20D4 21C5
MD_DQ28	13D4 20D4 21C5
MD_DQ29	13D4 20D4 21C5
MD_DQ30	13D4 20D4 21C5
MD_DQ31	13D4 20D4 21C5
MD_RAS_N	13B1 20B8 21B8
MD_RDQS0	20B4 21B5 13B4
MD_RDQS1	20B4 21B5 13C4
MD_RDQS2	20C4 21C5 13C4
MD_RDQS3	20C4 21C5 13D4
MD_VREF0	13A3
MD_WDQS0	13B4 20B4 21B5
MD_WDQS1	13B2 13C4 20B4 21B5
MD_WDQS2	13C4 20C4 21C5
MD_WDQS3	13D4 20C4 21C5
MD_WE_N	13B1 20B8 21B8
MD_ZQ_BOT	21B5
MD_ZQ_TOP	20B5
MEM_A_VREF0	15A6 14B8 15B8
MEM_A_VREF1	14A6 14B8 15B8
MEM_B_VREF0	17A6 16B8 17B8
MEM_B_VREF1	16A6 16B8 17B8
MEM_CALA	4A6
MEM_CALB	4A6
MEM_C_VREF0	19A6 18B8 19B8
MEM_C_VREF1	18A6 18B8 19B8
MEM_D_VREF0	21A6 20B8 21B8
MEM_D_VREF1	20A6 20B8 21B8
MEM_RST	4B1 14D8 15D8 16C8 17C8 18D8 19C8 20D8 21D8
MEM_SCAN_BOT_EN	4A1 15B8 17B8 19B8 21B8
MEM_SCAN_BOT_EN_N	4A4
MEM_SCAN_EN	4A1 14B8 15B8 16B8 17B8 18B8 19B8 20B8 21B8
MEM_SCAN_TOP_EN	4A1 14B8 16B8 18B8 20B8
MEM_VREFS	57A6 57D4
MEM_VREFS_R	57A6
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MII_CRS	32C1 29C7
MII_MDC_CLK_OUT	29D1 32B8
MII_MDC_CLK_OUT_R	29D4
MII_MDIO	29C8 32B8
MII_RXD0	32A1 29C7
MII_RXD1	32A1 29C7
MII_RXD2	32A1 29C7
MII_RXD3	32B1 29C7
MII_RXDV	32C1 29C7
MII_RXER	32B1 29C7
MII_RX_CLK	32B1 29D7
MII_RX_CLK_R	29D6
MII_TXD0	29C1 32A8
MII_TXD1	29C1 32A8

MII_TXD2	29C1 32A8
MII_TXD3	29C1 32B8
MII_TXEN	29C1 32B8
MII_TX_CLK	32B1 29D7
MII_TX_CLK_R	29D6
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MUPOUT_DP	28C2 41B3
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ODD_RX_DN_C	41A7
ODD_RX_DP	41A8 29B7
ODD_RX_DP_C	41A7
ODD_TX_DN	29A1 41A8
ODD_TX_DN_C	41A7
ODD_TX_DP	29A1 41B8
ODD_TX_DP_C	41B7
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PCIEX_CLK_DN_R	22C4
PCIEX_CLK_DP	22C1 26C7
PCIEX_CLK_DP_R	22C4
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PEX_GPU_SB_L0_DN_C	4C4
PEX_GPU_SB_L0_DP	4C2 26C7
PEX_GPU_SB_L0_DP_C	4C4
PEX_GPU_SB_L1_DN	4C2 26C7
PEX_GPU_SB_L1_DN_C	4C4
PEX_GPU_SB_L1_DP	4D2 26C7
PEX_GPU_SB_L1_DP_C	4D4
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PEX_RBIAS1	26C6
PEX_RCAL	4C6
PEX_SB_GPU_L0_DN	26C1 4C8
PEX_SB_GPU_L0_DN_C	26C3
PEX_SB_GPU_L0_DP	26D1 4C8
PEX_SB_GPU_L0_DP_C	26D3
PEX_SB_GPU_L1_DN	26D1 4C8
PEX_SB_GPU_L1_DN_C	26D3
PEX_SB_GPU_L1_DP	26D1 4C8
PEX_SB_GPU_L1_DP_C	26D3
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PMBUS_DATA	35C8 44C8 55A2 55D1 55D6 56B1 56D3 57A2 57C2 57D1 58A5 58B4 58C8 58D1 61B2
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SATA_CLK_DN_R	22C4
SATA_CLK_DP	22C1 26D7
SATA_CLK_DP_R	22C4
SATA_CLK_REF	22B1 26D7
SATA_CLK_REF_R	22C4
SATA_CLK_SEL	26D6
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SB_GPIO<14>	26A2
SB_GPIO<15>	26A8
SB_GPIO_RESERVED6	26B2 26A8
SB_GPIO_RESERVED16	26B3
SB_GPIO_RESERVED17	26B3
SB_GPIO_RESERVED18	26B3
SB_GPIO_RESERVED19	26B3
SB_GPIO_RESERVED20	26B3
SB_GPIO_RESERVED21	26B3
SB_GPIO_RESERVED22	26B3
SB_GPIO_RESERVED23	26B3
SB_GPIO_RESERVED24	26B3
SB_GPIO_RESERVED25	26C3
SB_GPIO_RESERVED26	26C3
SB_GPIO_RESERVED27	26C3
SB_GPIO_RESERVED28	26C3
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SB_MAIN_PWRGD_R	27B4
SB_RST_N	27A1 27D8
SB_SPDIF_OUT	29B1 23C8
SB_TCLK	60B8 26A6
SB_TDI	60B8 26A6
SB_TDO	26A6 60B8
SB_TMS	60B6 26A6
SB_TRST	26A6 60B6
SB_USB_RBIAS	28A6
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SCART_RGB_OUT	37B6
SCART_RGB_OUT_R	37B7
SCART_RGB_R	37B7
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SMB_CLK_MU_R	41B2
SMB_CLK_R	59C4
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SMB_DATA_MU_R	41B2
SMB_DATA_R	59C3
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SMC_CPU_CHKSTOP_DETECT_B	60A4
SMC_DBG_EN	59C5 27C8
SMC_DBG_TXD	27D1 59C5
SMC_DBG_TXD_R	27D4
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SMC_PWM1	27A1 36A6
SMC_PWM1_R	36A3
SMC_RST_N	22D3 27D8 42B3 59C1
SMC_RST_N_R	22D4
SMC_RST_XDK_N	59C3
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SPI_MISO	28D2 59C8
SPI_MISO_R	28D4
SPI_MOSI	59D6 28D7
SPI_SS_N	59D8 28D7
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SPKR_DRIVE_P	35A3
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VID_DACA_DP	23D1 37A8
VID_DACA_OUT	37A6 37D7
VID_DACB_DN	23D4
VID_DACB_DP	23D1 37A8
VID_DACB_OUT	37A6 37D7
VID_DACC_DN	23D4
VID_DACC_DP	23D1 37A6
VID_DACC_OUT	37A3 37D7
VID_DACD_DN	23D4
VID_DACD_DP	23D1 37A6
VID_DACD_OUT	37A3 37C7
VID_HSYNC_OUT	37A1 37C7
VID_HSYNC_OUT_R	23C1 37A3
VID_VSYNC_OUT	37A1 37C7
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VREG_1P8STBY_FB	53C4
VREG_1P8STBY_SW	53C4
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VREG_3P3STBY_SW	53B4
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VREG_CPU2_VCC	45D7
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VREG_CPUPLL_ADJUST	52B8
VREG_CPUPLL_B3	58C2
VREG_CPUPLL_PCIE_AS	58A7
VREG_CPUPLL_PCIE_CONVST_N	58A7
VREG_CPUPLL_R	52A6
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VREG_CPU_ALERT_N	44C2
VREG_CPU_BST1	45B5
VREG_CPU_BST1_R	45A5
VREG_CPU_BST2	45D5
VREG_CPU_BST2_R	45D5
VREG_CPU_COMP	44C4
VREG_CPU_COMP_R	44A6
VREG_CPU_CSCOMP	44C8 61B2
VREG_CPU_CSCOMP_R	44B6
VREG_CPU_CSREF	44C8 61B2
VREG_CPU_CSSUM	44C8 61B2
VREG_CPU_DRVH1	45A5
VREG_CPU_DRVH2	45C5
VREG_CPU_DRVL1	45A5
VREG_CPU_DRVL2	45C5
VREG_CPU_DRV_EN	44C1 45C8
VREG_CPU_EN	27C1 44D8
VREG_CPU_FAULT_N	44C2
VREG_CPU_FB	44A6 44C4
VREG_CPU_FBRTN	44B3 44C4
VREG_CPU_ILIMITFS	44B4
VREG_CPU_IMON	44C2
VREG_CPU_IREF	44C4
VREG_CPU_OD1_N	44C2
VREG_CPU_PHASE1	45A1 44C8
VREG_CPU_PHASE1_R	44C4
VREG_CPU_PHASE2	45C1 44C8
VREG_CPU_PHASE2_R	44C4
VREG_CPU_PWM1	44C1 45A8
VREG_CPU_PWM2	44C1 45C8
VREG_CPU_RAMPADJ	44D4
VREG_CPU_RAMPADJ_R	44D5
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VREG_CPU_SW1_R	45A2
VREG_CPU_SW2_R	45C3
VREG_CPU_SW3	44C4
VREG_CPU_SW4	44C4
VREG_CPU_TRDET	44C4
VREG_CPU_TRDET_R	44A6
VREG_CPU_VCC	44C1 44D1
VREG_CPU_VCC3_3P3	44D3
VREG_CPU_VID<6..1>	43C2 44D1 61C2
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VREG_EFUSE_VOUT	52A2
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VREG_GPUPCIE_FB	52C1 58A8 58D5
VREG_GPUPCIE_FB_MID	58D5 52C1
VREG_PCIEX_ADJUST	52C3

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VREG_V3P3_CF1	56A6
VREG_V3P3_COMP	48A8
VREG_V3P3_COMP_C	48A7
VREG_V3P3_DH	48C5
VREG_V3P3_DL	48B5
VREG_V3P3_EN	27D1 48C8
VREG_V3P3_FB	48B1 56D1
VREG_V3P3_FB_A3	56D4
VREG_V3P3_FB_MID	48A1 56C1
VREG_V3P3_FB_MID_R	56C4
VREG_V3P3_FB_R	56A4
VREG_V3P3_ILIM	48B5
VREG_V3P3_IOUT	56A5
VREG_V3P3_ISENSE_N	48C1 56A7
VREG_V3P3_ISENSE_P	48C1 56A7
VREG_V3P3_PGND	48B5
VREG_V3P3_PWRGD	48D1 27A8
VREG_V3P3_RAMP	48D5
VREG_V3P3_RSENSE	48C3
VREG_V3P3_SS	48A7
VREG_V3P3_SW	48C5
VREG_V3P3_SW_S	48C3
VREG_V3P3_TRK	48C7
VREG_V3P3_V5P0_FREQ	47B7
VREG_V3P3_V5P0_SYNC	47C7
VREG_V3P3_V5P0_VCCO	47D1 48D8
VREG_V3P3_V5P0_VDL	47D7
VREG_V5P0_BST	47C5
VREG_V5P0_CF2	56A6
VREG_V5P0_COMP	47A8
VREG_V5P0_COMP_C	47A8
VREG_V5P0_DH	47C5
VREG_V5P0_DL	47B5
VREG_V5P0_EN	27C1 47B8
VREG_V5P0_EN_R	47B7
VREG_V5P0_FB	47A1 56D8
VREG_V5P0_FB_A1	56D6
VREG_V5P0_FB_MID	47A1 56C8
VREG_V5P0_FB_MID_R	56C6
VREG_V5P0_FB_R	56A4
VREG_V5P0_ILIM	47B5
VREG_V5P0_IOUT	56B5
VREG_V5P0_ISENSE_N	47C1 56B7
VREG_V5P0_ISENSE_P	47C1 56B7
VREG_V5P0_PGND	47B5
VREG_V5P0_PWRGD	47D1 27B8
VREG_V5P0_RAMP	47C5
VREG_V5P0_RSENSE	47C3
VREG_V5P0_SEL	27C1 46C7
VREG_V5P0_SEL_B1	46C6
VREG_V5P0_SEL_B2	46C5
VREG_V5P0_SEL_C	46C6
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VREG_V5P0_SEL_PGATE	46C5
VREG_V5P0_SS	47A7

VREG_V5P0_SW	47B5
VREG_V5P0_SW_S	47C4
VREG_V5P0_TRK	47C7
VREG_V12P0_A0	58C6
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VREG_V12P0_ISENSE_N	38B1 58C8
VREG_V12P0_ISENSE_N_R	58C6
VREG_V12P0_ISENSE_P	38B1 58D8
VREG_V12P0_ISENSE_P_R	58D6
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VREG_VCS_CF2	57C7
VREG_VCS_COMP	51B6
VREG_VCS_COMP_R	51A6
VREG_VCS_FB	51A1 57A2 57C8
VREG_VCS_FB_MID	51A1 57A2
VREG_VCS_FB_MID_R	57A4
VREG_VCS_HDRV	51C5
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VREG_VCS_IN	57B7
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VREG_VCS_ISENSE_N	51C1 57C8
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VREG_VCS_LDRV	51B5
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VREG_VEDRAM_BST	49C5
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VREG_VEDRAM_COMP	49A7
VREG_VEDRAM_COMP_C	49A7
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VREG_VEDRAM_DL	49B5
VREG_VEDRAM_EN	27D1 49B8
VREG_VEDRAM_FB	49B1 55A7 55D1
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VREG_VEDRAM_FB_MID_R	55C3
VREG_VEDRAM_FREQ	49B7
VREG_VEDRAM_ILIM	49B5
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VREG_VEDRAM_ISENSE_N	49C1 55A7
VREG_VEDRAM_ISENSE_P	49C1 55A7
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VREG_VMEM_COMP	50A8
VREG_VMEM_COMP_C	50A7
VREG_VMEM_DH	50C5
VREG_VMEM_DL	50B5
VREG_VMEM_EN	27C1 50C8
VREG_VMEM_FB	50A1 55A7 55D6
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VREG_VMEM_ILIM	50B5
VREG_VMEM_IOUT	55A5
VREG_VMEM_ISENSE_N	50C1 55A7
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VREG_VMEM_PGND	50B5
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V_VREG_1P8	52C6
V_VREG_1P8PLL	52B7
V_VREG_1P8_IN	52C8
V_VREG_CPU	43B2 44D8 45D8
V_VREG_GPUPCIE	52D3
V_VREG_STBY_VIN	53C6
V_VREG_V3P3_V5P0	47D1 48D8
V_VREG_VCS	51C5
V_VREG_VMEM_VEDRAM	49D1 50D8
WAVEPORT_DN	28B2 39B8
WAVEPORT_DP	28B2 39B8
WSS_CNTL0	26B2 37C8
WSS_CNTL1	26B2 37C8
WSS_CNTL_B	37C7
WSS_CNTL_E	37C7
WSS_CNTL_OUT	37C6
WSS_CNTL_OUT_R	37C7
XUSB_CLK_BYP	26D6
XUSB_CLK_SEL	26D6



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C1A1	CAPN_805	[39B6]
C1A2	CAPN_805	[39B2]
C1A3	CAP_P_RDL	[39B3]
C1A6	CAPN_402	[39B2]
C1A7	CAPN_402	[39B6]
C1A8	CAPN_402	[39D2]
C1A9	CAPN_402	[39C2]
C1A10	CAPN_402	[54D2]
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C1B8	CAPN_402	[41C7]
C1B9	CAP_P_RDL	[39D3]
C1B10	CAPN_402	[41D7]
C1B11	CAPN_402	[41D7]
C1B12	CAPN_1206	[46C4]
C1C1	CAP_P_RDL	[52C6]
C1C2	CAPN_603	[52C6]
C1C3	CAPN_603	[52C7]
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C1E2	CAPN_603	[47C8]
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C1F1	CAPN_603	[48C5]
C1F2	CAPN_402	[56A6]
C1F3	CAPN_805	[48C1]
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C1G8	CAPN_402	[58A3]
C1G9	CAPN_402	[58A3]
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C1G12	CAPN_402	[58B4]
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C1N3	CAPN_402	[46C5]
C1N4	CAPN_402	[46C4]
C1N5	CAPN_805	[39D2]
C1P1	CAPN_402	[54D2]
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C2T6	CAPN_402	[30C2]
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C2V5	CAPN_805	[47B3]
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C3A5	CAPN_402	[33D3]
C3A6	CAPN_603	[33D3]
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C3B1	CAPN_402	[23B2]
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C3E2	CAPN_402	[26C2]
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C3M5	CAPN_402	[54D7]
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C3N27	CAPN_402	[24C5]
C3N28	CAPN_402	[24A3]
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C3N33	CAPN_402	[25C3]
C3N34	CAPN_805	[24A6]
C3N35	CAPN_402	[24A1]
C3N36	CAPN_805	[24C6]
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C3N40	CAPN_402	[54D7]
C3N41	CAPN_603	[33C3]
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C3R3	CAPN_603	[31A2]
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C3R10	CAPN_402	[31D3]
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C3R12	CAPN_402	[30C2]
C3R13	CAPN_402	[30C1]
C3R14	CAPN_402	[26C8]
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C3R19	CAPN_402	[54B1]
C3R20	CAPN_402	[54B4]
C3R21	CAPN_402	[54C2]
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C3T15	CAPN_603	[30A7]
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C3T23	CAPN_402	[54C6]
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C5B20	CAPN_805	[51C3]
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C5F8	CAPN_402	[20A1]
C5F9	CAPN_402	[20A3]
C5F10	CAPN_805	[18A4]
C5G1	CAP_P_RDL	[38B6]
C5G2	CAPN_402	[38B5]
C5G3	CAPN_402	[38A5]
C5G4	CAPN_402	[38A6]
C5G5	CAPN_402	[38A6]
C5G6	CAPN_805	[35B6]
C5G7	CAPN_402	[35B6]
C5G8	CAPN_402	[54C4]
C5M5	CAPN_603	[53A6]
C5N5	CAPN_805	[45B5]
C5N6	CAPN_603	[45A5]
C5N7	CAPN_402	[57D5]
C5N8	CAPN_402	[57D7]
C5N9	CAPN_603	[53C6]
C5N10	CAPN_805	[51C4]
C5N11	CAPN_805	[51C4]
C5P1	CAPN_805	[51B2]
C5R1	CAPN_805	[9C1]
C5R2	CAPN_805	[9A6]
C5R3	CAPN_805	[9B6]
C5R4	CAPN_805	[9C1]
C5R5	CAPN_805	[9B7]
C5R6	CAPN_805	[9B7]
C5R7	CAPN_805	[9C6]
C5R8	CAPN_805	[9D6]
C5R9	CAPN_805	[9D5]
C5R10	CAPN_805	[9C8]
C5R11	CAPN_603	[2D5]
C5R12	CAPN_805	[9B8]
C5R13	CAPN_805	[9A7]
C5R14	CAPN_805	[6D5]
C5R15	CAPN_805	[9C8]
C5R16	CAPN_805	[9B7]
C5R17	CAPN_805	[6C5]
C5R18	CAPN_805	[9B5]
C5R19	CAPN_402	[11A6]
C5R20	CAPN_402	[11B6]
C5R21	CAPN_402	[11C3]
C5R22	CAPN_402	[11A6]
C5R23	CAPN_402	[11A6]
C5R24	CAPN_402	[11B5]
C5R25	CAPN_402	[11D6]
C5R26	CAPN_402	[10D5]
C5R27	CAPN_402	[10C3]
C5R28	CAPN_402	[10C3]
C5R29	CAPN_402	[11A5]
C5R30	CAPN_402	[11D4]
C5R31	CAPN_805	[6A6]
C5R32	CAPN_402	[10B5]
C5R33	CAPN_402	[10C6]
C5R34	CAPN_402	[11B3]

C5R35	CAPN_402	[9D2]
C5R36	CAPN_402	[10A5]
C5R37	CAPN_402	[10C4]
C5R38	CAPN_402	[10B6]
C5R39	CAPN_402	[10C6]
C5R40	CAPN_402	[10C6]
C5R41	CAPN_402	[11B4]
C5R42	CAPN_805	[6B6]
C5R43	CAPN_402	[9C2]
C5R44	CAPN_402	[11B5]
C5R45	CAPN_402	[10A4]
C5R46	CAPN_402	[10B4]
C5R47	CAPN_402	[11B5]
C5R48	CAPN_402	[11B5]
C5R49	CAPN_402	[10C4]
C5R50	CAPN_402	[9B2]
C5R51	CAPN_402	[10B3]
C5R52	CAPN_402	[11C4]
C5R53	CAPN_402	[11C5]
C5R54	CAPN_805	[6B6]
C5R55	CAPN_402	[10B3]
C5R56	CAPN_402	[11A5]
C5R57	CAPN_402	[10B4]
C5R58	CAPN_402	[9C2]
C5R59	CAPN_402	[10C3]
C5R60	CAPN_402	[10C5]
C5R61	CAPN_402	[10C5]
C5R62	CAPN_402	[10B3]
C5R63	CAPN_402	[10C3]
C5R64	CAPN_402	[10B4]
C5T1	CAPN_402	[9B2]
C5T2	CAPN_402	[11B3]
C5T3	CAPN_402	[11C3]
C5T4	CAPN_805	[6A5]
C5T5	CAPN_402	[11B3]
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C5T8	CAPN_402	[10C4]
C5T9	CAPN_805	[6C5]
C5T10	CAPN_402	[10D4]
C5T11	CAPN_402	[10A5]
C5T12	CAPN_402	[10D6]
C5T13	CAPN_805	[6B5]
C5T14	CAPN_402	[11D3]
C5T15	CAPN_402	[11C4]
C5T16	CAPN_402	[11C3]
C5T17	CAPN_402	[10D4]
C5T18	CAPN_402	[11A4]
C5T19	CAPN_402	[11C6]
C5T20	CAPN_402	[9B4]
C5T21	CAPN_402	[9A4]
C5T22	CAPN_402	[9B4]
C5T23	CAPN_402	[9B4]
C5T24	CAPN_402	[9C4]
C5T25	CAPN_402	[9A4]
C5T26	CAPN_402	[9D4]
C5T27	CAPN_402	[9B4]

C5T28	CAPN_402	[11C4]
C5T29	CAPN_402	[11B5]
C5T30	CAPN_402	[11B5]
C5T31	CAPN_402	[9C4]
C5T32	CAPN_402	[9C4]
C5T33	CAPN_805	[9A5]
C5T34	CAPN_805	[9B3]
C5T35	CAPN_805	[9C3]
C5T36	CAPN_402	[4A5]
C5T37	CAPN_402	[13A6]
C5T38	CAPN_402	[13A1]
C5T39	CAPN_402	[13A2]
C5T41	CAPN_402	[13A5]
C5T42	CAPN_402	[13A2]
C5T43	CAPN_805	[9B3]
C5T44	CAPN_402	[13A1]
C5T45	CAPN_402	[13A2]
C5T46	CAPN_402	[13A5]
C5T47	CAPN_402	[13A5]
C5T48	CAPN_402	[13A2]
C5T49	CAPN_402	[13A5]
C5T50	CAPN_402	[13A6]
C5T52	CAPN_1206	[49B2]
C5U1	CAPN_402	[18A5]
C5U2	CAPN_805	[13A6]
C5U3	CAPN_402	[21A2]
C5U4	CAPN_402	[21A3]
C5U5	CAPN_402	[21A3]
C5U6	CAPN_402	[21A2]
C5U7	CAPN_402	[21A2]
C5U8	CAPN_402	[21A3]
C5U9	CAPN_402	[18A7]
C5U10	CAPN_402	[21A1]
C5U11	CAPN_402	[21A1]
C5U12	CAPN_402	[21A6]
C6A1	CAPN_402	[38A3]
C6A2	CAPN_402	[38A2]
C6A3	CAPN_402	[38A2]
C6A4	CAP_P_RDL	[38A3]
C6A5	CAP_P_RDL	[38A3]
C6A6	CAPN_603	[58C6]
C6A7	CAP_P_RDL	[36C3]
C6B1	CAP_P_TH	[43B5]
C6B2	CAPN_1206	[45A3]
C6B3	CAPN_1206	[43B4]
C6B4	CAPN_603	[45D7]
C6B5	CAPN_1206	[43B4]
C6C1	CAP_P_RDL	[43A6]
C6C2	CAP_P_RDL	[43A5]
C6C3	CAP_P_RDL	[43A6]
C6D1	CAPN_805	[9A8]
C6D2	CAPN_805	[9A7]
C6D3	CAPN_805	[9C6]
C6D4	CAPN_805	[9C6]
C6D5	CAPN_805	[9B8]
C6D6	CAPN_805	[9A6]
C6F1	CAPN_402	[18A2]

C6F2	CAPN_402	[18A2]
C6F3	CAPN_402	[21A7]
C6F4	CAPN_402	[18A3]
C6F5	CAPN_402	[18A2]
C6F6	CAPN_402	[21A5]
C6F7	CAPN_402	[18A1]
C6F8	CAPN_402	[18A3]
C6F9	CAPN_402	[18A1]
C6F10	CAPN_402	[18A3]
C6F11	CAPN_805	[20A4]
C6G1	CAP_P_RDL	[39D7]
C6G2	CAPN_402	[39D7]
C6G3	CAPN_805	[39D7]
C6M5	CAPN_402	[58D6]
C6N1	CAPN_805	[45D5]
C6N2	CAPN_603	[45D5]
C6N3	CAPN_1206	[45B3]
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C6R6	CAPN_805	[9C6]
C6R7	CAPN_805	[9B6]
C6R8	CAPN_402	[11D5]
C6R9	CAPN_402	[11B6]
C6R10	CAPN_402	[11B6]
C6R11	CAPN_402	[12A2]
C6R12	CAPN_402	[11B3]
C6R13	CAPN_402	[11C3]
C6R14	CAPN_402	[11B3]
C6R15	CAPN_402	[10B4]
C6R16	CAPN_402	[12A2]
C6R17	CAPN_402	[10A3]
C6R18	CAPN_402	[10A3]
C6R19	CAPN_402	[11C5]
C6R20	CAPN_402	[10A4]
C6R21	CAPN_402	[10B4]
C6R22	CAPN_402	[11C5]
C6R23	CAPN_402	[12A1]
C6R24	CAPN_402	[11B4]
C6R25	CAPN_402	[10C5]
C6R26	CAPN_402	[11A5]
C6R27	CAPN_402	[12A3]
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C6R30	CAPN_402	[11A4]
C6R31	CAPN_402	[10B6]
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C6R35	CAPN_402	[11C5]
C6R36	CAPN_402	[10D3]
C6R37	CAPN_402	[10C4]
C6R38	CAPN_402	[10A6]
C6R39	CAPN_402	[11D5]

C6R40	CAPN_402	[11A3]
C6R41	CAPN_402	[11A3]
C6R42	CAPN_402	[10C4]
C6R43	CAPN_402	[10A6]
C6R44	CAPN_402	[10A4]
C6R45	CAPN_402	[10C4]
C6R46	CAPN_402	[12A1]
C6T2	CAPN_402	[11B4]
C6T3	CAPN_402	[11C5]
C6T4	CAPN_402	[11A5]
C6T5	CAPN_402	[11D3]
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C6T11	CAPN_402	[10C4]
C6T12	CAPN_402	[10B6]
C6T13	CAPN_402	[11A3]
C6T14	CAPN_402	[10A4]
C6T15	CAPN_402	[11C6]
C6T16	CAPN_402	[11A4]
C6T17	CAPN_402	[11A3]
C6T18	CAPN_402	[11C6]
C6T19	CAPN_402	[11C3]
C6T20	CAPN_402	[10C5]
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C6T25	CAPN_402	[11B3]
C6T26	CAPN_402	[13A2]
C6T27	CAPN_402	[12A6]
C6T28	CAPN_402	[13A5]
C6T29	CAPN_402	[12A5]
C6T30	CAPN_805	[12A2]
C6T31	CAPN_402	[13A1]
C6T32	CAPN_402	[12A5]
C6T33	CAPN_402	[13A5]
C6U1	CAPN_402	[19A2]
C6U2	CAPN_402	[19A2]
C6U3	CAPN_402	[19A3]
C6U4	CAPN_402	[19A2]
C6U5	CAPN_402	[19A1]
C6U6	CAPN_402	[19A3]
C6U7	CAPN_402	[20A7]
C6U8	CAPN_402	[19A1]
C6U9	CAPN_402	[19A3]
C6U10	CAPN_402	[21A6]
C7A1	CAPN_603	[38A3]
C7A2	CAPN_603	[38A3]
C7A3	CAPN_603	[38A3]
C7A4	CAPN_603	[38A2]
C7B1	CAPN_1206	[43B6]
C7B2	CAP_P_TH	[38A3]
C7B3	CAP_P_TH	[43B5]
C7B4	CAPN_402	[54D6]
C7B5	CAPN_1206	[45D3]

C7B7	CAPN_402	[44A6]
C7B8	CAP_P_TH	[49D8]
C7C1	CAPN_402	[44B5]
C7C2	CAPN_402	[44A7]
C7C3	CAPN_402	[44B5]
C7C4	CAPN_402	[44A5]
C7C5	CAPN_402	[44A7]
C7C6	CAPN_402	[44A2]
C7C7	CAPN_402	[44B2]
C7C8	CAPN_805	[45C3]
C7C9	CAPN_402	[44D3]
C7C10	CAPN_1206	[44D5]
C7C11	CAPN_603	[44D4]
C7C12	CAP_P_RDL	[43A4]
C7C13	CAP_P_RDL	[43A4]
C7D7	CAPN_402	[16A1]
C7D8	CAPN_402	[16A1]
C7D9	CAPN_402	[16A3]
C7D10	CAPN_402	[16A2]
C7D11	CAPN_805	[16A4]
C7D12	CAPN_402	[17A7]
C7D13	CAPN_402	[16A3]
C7D14	CAPN_402	[16A2]
C7D15	CAPN_402	[21A4]
C7E1	CAPN_402	[21A4]
C7E2	CAPN_402	[16A2]
C7E3	CAPN_402	[16A3]
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C7E5	CAPN_402	[14A2]
C7E6	CAPN_402	[14A3]
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C7E8	CAPN_805	[14A4]
C7E9	CAPN_402	[15A7]
C7E10	CAPN_402	[14A2]
C7E11	CAPN_402	[14A3]
C7E12	CAPN_402	[21A5]
C7E13	CAPN_402	[14A2]
C7E14	CAPN_402	[14A3]
C7F1	CAPN_805	[50C2]
C7F2	CAP_P_RDL	[50C2]
C7F3	CAPN_1206	[50D3]
C7G1	CAP_P_RDL	[39C7]
C7G2	CAPN_402	[39C7]
C7N1	CAPN_1206	[45D3]
C7P1	CAPN_402	[44A5]
C7P2	CAPN_603	[44D6]
C7R1	CAP_P_SM	[50B2]
C7R2	CAPN_402	[17A1]
C7R3	CAPN_402	[17A1]
C7R4	CAPN_402	[17A3]
C7R5	CAPN_402	[17A2]
C7R6	CAPN_402	[16A7]
C7R7	CAPN_402	[17A3]
C7R8	CAPN_402	[17A2]
C7R9	CAPN_402	[21A4]
C7T1	CAPN_402	[17A2]
C7T2	CAPN_402	[17A3]

C7T3	CAPN_402	[15A1]
C7T4	CAPN_402	[15A2]
C7T5	CAPN_402	[15A3]
C7T6	CAPN_402	[15A1]
C7T7	CAPN_402	[14A7]
C7T8	CAPN_402	[15A2]
C7T9	CAPN_402	[15A3]
C7T10	CAPN_402	[21A5]
C7T11	CAPN_402	[15A2]
C7T12	CAPN_402	[15A3]
C7U1	CAPN_1206	[50D3]
C7V1	CAPN_805	[39C7]
D4A1	DIODE_SOT23	[36C5]
D4D1	LED_SM	[60B5]
D5B1	DIODE_SOT23	[45B6]
D6B1	DIODE_SOT23	[45D6]
DB1E1	DBPAD_TP	[42C1]
DB1F1	DBPAD_TP	[58A2]
DB1F2	DBPAD_TP	[48B1]
DB1V1	DBPAD_TP	[58B1]
DB1V2	DBPAD_TP	[58B1]
DB1V3	DBPAD_TP	[58B1]
DB2E1	DBPAD_TP	[52C5]
DB2G1	DBPAD_TP	[48C1]
DB2G2	DBPAD_TP	[47C1]
DB2G3	DBPAD_TP	[27A8]
DB2G4	DBPAD_TP	[47B1]
DB2N1	DBPAD_TP	[35C4]
DB2N2	DBPAD_TP	[35C4]
DB2N3	DBPAD_TP	[35C4]
DB2R1	DBPAD_TP	[32B5]
DB2R2	DBPAD_TP	[26B3]
DB2R3	DBPAD_TP	[26B3]
DB2R4	DBPAD_TP	[26B3]
DB2R5	DBPAD_TP	[26B3]
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DB2R15	DBPAD_TP	[26A3]
DB2R16	DBPAD_TP	[26A3]
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DB3R5	DBPAD_TP	[26C3]
DB3R6	DBPAD_TP	[27A6]
DB3R7	DBPAD_TP	[27A6]
DB3T1	DBPAD_TP	[26D6]

DB4D1	DBPAD_TP	[52A1]
DB4E1	DBPAD_TP	[52C1]
DB4E2	DBPAD_TP	[52B5]
DB4E3	DBPAD_TP	[49C1]
DB4E4	DBPAD_TP	[49B3]
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DB4N7	DBPAD_TP	[23A2]
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DB4P7	DBPAD_TP	[51C6]
DB4P8	DBPAD_TP	[51C8]
DB4R1	DBPAD_TP	[5C4]
DB5A1	DBPAD_TP	[53A3]
DB5B1	DBPAD_TP	[53B1]
DB5B2	DBPAD_TP	[51A3]
DB5B3	DBPAD_TP	[51A3]
DB5B4	DBPAD_TP	[53C1]
DB5B5	DBPAD_TP	[53C3]
DB5C1	DBPAD_TP	[51B1]
DB5R5	DBPAD_TP	[6B5]
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DB6M2	DBPAD_TP	[38B4]
DB6M3	DBPAD_TP	[38B4]
DB6N1	DBPAD_TP	[38A4]
DB6R1	DBPAD_TP	[43B3]
DB6R2	DBPAD_TP	[43B3]
DB7C1	DBPAD_TP	[44C2]
DB7C2	DBPAD_TP	[44C4]
DB7C3	DBPAD_TP	[44C4]
DB7C4	DBPAD_TP	[45C1]
DB7C5	DBPAD_TP	[44A8]
DB7C6	DBPAD_TP	[44A8]
DB7F1	DBPAD_TP	[50C2]
DB7F2	DBPAD_TP	[50B2]
DB7P1	DBPAD_TP	[44C2]
DB7P2	DBPAD_TP	[44C2]
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EG1A2	ESDGUARD_402	[39A7]
EG1A3	ESDGUARD_402	[39B2]
EG1A4	ESDGUARD_402	[39B3]
EG1A5	ESDGUARD_402	[39A2]
EG1A6	ESDGUARD_402	[39A3]
EG1A7	ESDGUARD_402	[39C2]
EG1A8	ESDGUARD_402	[39C3]
EG1B1	ESDGUARD_402	[41C7]
EG1B2	ESDGUARD_402	[41C6]
EG1B3	ESDGUARD_402	[41D7]
EG1B4	ESDGUARD_402	[41D6]
EG2A1	ESDGUARD_402	[37D7]
EG2A2	ESDGUARD_402	[38C4]
EG2A3	ESDGUARD_402	[38C5]
EG2A4	ESDGUARD_402	[38C6]
EG2A5	ESDGUARD_402	[38C6]

EG2A6	ESDGUARD_402	[38C6]
EG2A7	ESDGUARD_402	[38B6]
EG3A1	ESDGUARD_402	[40D6]
EG3A2	ESDGUARD_402	[40D7]
EG3A3	ESDGUARD_402	[40C6]
EG3A4	ESDGUARD_402	[40C7]
EG3A5	ESDGUARD_402	[40C6]
EG4A1	ESDGUARD_402	[39A7]
EG4A2	ESDGUARD_402	[40C7]
EG4A3	ESDGUARD_402	[40B6]
EG4A4	ESDGUARD_402	[40B7]
EG4A5	ESDGUARD_402	[37A5]
EG4A6	ESDGUARD_402	[37A5]
EG4A7	ESDGUARD_402	[37A8]
EG4A8	ESDGUARD_402	[37A8]
EG4A9	ESDGUARD_402	[37A2]
EG4A10	ESDGUARD_402	[37A2]
EG4M1	ESDGUARD_402	[40A6]
EG4M2	ESDGUARD_402	[40A7]
EG4M5	ESDGUARD_402	[40A2]
EG6G1	ESDGUARD_402	[39C7]
EG6G2	ESDGUARD_402	[39C7]
EG7G1	ESDGUARD_402	[39C7]
EG7G2	ESDGUARD_402	[39C7]
FB1A1	FERRITE_603	[39B7]
FB2C1	FERRITE_603	[32D8]
FB2M1	FERRITE_603	[38C4]
FB2R1	FERRITE_603	[32C5]
FB2R2	FERRITE_603	[31B7]
FB2R3	FERRITE_603	[31C7]
FB2T1	FERRITE_603	[31A7]
FB2T2	FERRITE_603	[31B7]
FB2T3	FERRITE_603	[30C7]
FB3A1	FERRITE_603	[33B2]
FB3A2	FERRITE_603	[33C2]
FB3N1	FERRITE_603	[25C8]
FB3N2	FERRITE_603	[25B8]
FB3N3	FERRITE_603	[24C6]
FB3N4	FERRITE_603	[24C6]
FB3P1	FERRITE_603	[25D2]
FB3R1	FERRITE_603	[30A7]
FB3R2	FERRITE_603	[31D7]
FB3T1	FERRITE_603	[30C8]
FB3T2	FERRITE_603	[30D7]
FB3T3	FERRITE_603	[30A7]
FB5R1	FERRITE_603	[6D6]
FB5R2	FERRITE_603	[6C6]
FB5R3	FERRITE_603	[6A6]
FB5R4	FERRITE_603	[6B6]
FB5R5	FERRITE_603	[6B6]
FB5T1	FERRITE_603	[6A6]
FB5T2	FERRITE_603	[6C6]
FB5T3	FERRITE_603	[6B6]
FT1M3	FTPAD_TP	[41A7]
FT1M4	FTPAD_TP	[41A7]
FT1M5	FTPAD_TP	[41A6]
FT1N1	FTPAD_TP	[46C2]

FT1N2	FTPAD_TP	[41B7]
FT1N3	FTPAD_TP	[41A7]
FT1N4	FTPAD_TP	[41D5]
FT1N5	FTPAD_TP	[41D5]
FT1N6	FTPAD_TP	[41C5]
FT1N7	FTPAD_TP	[41C5]
FT1N8	FTPAD_TP	[41C5]
FT1N9	FTPAD_TP	[46C2]
FT1P1	FTPAD_TP	[46B7]
FT1T1	FTPAD_TP	[34C8]
FT1T2	FTPAD_TP	[34C8]
FT1T3	FTPAD_TP	[34C8]
FT1T4	FTPAD_TP	[34C8]
FT1T5	FTPAD_TP	[34C8]
FT1T6	FTPAD_TP	[34C8]
FT1T7	FTPAD_TP	[34C8]
FT1T8	FTPAD_TP	[34C8]
FT1T9	FTPAD_TP	[48A1]
FT1T10	FTPAD_TP	[48C8]
FT1T11	FTPAD_TP	[34C4]
FT2M1	FTPAD_TP	[38D7]
FT2M2	FTPAD_TP	[38D7]
FT2P2	FTPAD_TP	[22B1]
FT2R1	FTPAD_TP	[22A1]
FT2R2	FTPAD_TP	[26A3]
FT2R3	FTPAD_TP	[22B1]
FT2R4	FTPAD_TP	[22C1]
FT2R5	FTPAD_TP	[22A1]
FT2R6	FTPAD_TP	[35A7]
FT2R7	FTPAD_TP	[35A3]
FT2T1	FTPAD_TP	[52C5]
FT2T2	FTPAD_TP	[47C8]
FT2T3	FTPAD_TP	[47A1]
FT2T4	FTPAD_TP	[35A7]
FT2T5	FTPAD_TP	[35A7]
FT2U2	FTPAD_TP	[41B3]
FT2U3	FTPAD_TP	[41B3]
FT2V1	FTPAD_TP	[27A8]
FT2V2	FTPAD_TP	[47C1]
FT2V3	FTPAD_TP	[48C1]
FT2V4	FTPAD_TP	[35A3]
FT3M1	FTPAD_TP	[40D7]
FT3M2	FTPAD_TP	[40D7]
FT3M3	FTPAD_TP	[40D7]
FT3M4	FTPAD_TP	[40C7]
FT3M5	FTPAD_TP	[40C7]
FT3M6	FTPAD_TP	[33B7]
FT3M7	FTPAD_TP	[40D7]
FT3M8	FTPAD_TP	[40D7]
FT3M9	FTPAD_TP	[40D7]
FT3M10	FTPAD_TP	[40C7]
FT3M11	FTPAD_TP	[40C7]
FT3N1	FTPAD_TP	[22B4]
FT3N2	FTPAD_TP	[22A1]
FT3N3	FTPAD_TP	[33D7]
FT3P1	FTPAD_TP	[22D7]
FT3P2	FTPAD_TP	[22D3]

FT3P3	FTPAD_TP	[22B1]
FT3P4	FTPAD_TP	[22B1]
FT3P5	FTPAD_TP	[22B8]
FT3P6	FTPAD_TP	[22B8]
FT3P7	FTPAD_TP	[22B8]
FT3P8	FTPAD_TP	[22B8]
FT3P9	FTPAD_TP	[22B8]
FT3R1	FTPAD_TP	[22D3]
FT3R3	FTPAD_TP	[22D3]
FT3R4	FTPAD_TP	[27C8]
FT3R5	FTPAD_TP	[27B8]
FT3R6	FTPAD_TP	[27B8]
FT3R9	FTPAD_TP	[27A6]
FT3R10	FTPAD_TP	[22C1]
FT3R11	FTPAD_TP	[22C1]
FT3R12	FTPAD_TP	[27B1]
FT3R13	FTPAD_TP	[22C8]
FT3R14	FTPAD_TP	[22D7]
FT3R15	FTPAD_TP	[27D8]
FT3R16	FTPAD_TP	[4D2]
FT3R17	FTPAD_TP	[4C7]
FT3T1	FTPAD_TP	[52B5]
FT3T2	FTPAD_TP	[44D1]
FT3T3	FTPAD_TP	[44D8]
FT3T4	FTPAD_TP	[26B5]
FT3T5	FTPAD_TP	[26B5]
FT3T6	FTPAD_TP	[26B5]
FT3T7	FTPAD_TP	[26B5]
FT3T8	FTPAD_TP	[26A5]
FT3U1	FTPAD_TP	[49A1]
FT3V1	FTPAD_TP	[49B8]
FT3V2	FTPAD_TP	[50A1]
FT3V3	FTPAD_TP	[50C8]
FT3V4	FTPAD_TP	[49D2]
FT3V5	FTPAD_TP	[50D2]
FT3V6	FTPAD_TP	[35A2]
FT3V7	FTPAD_TP	[35A2]
FT4M1	FTPAD_TP	[40A7]
FT4M2	FTPAD_TP	[40C7]
FT4M3	FTPAD_TP	[40B7]
FT4M4	FTPAD_TP	[40B7]
FT4M5	FTPAD_TP	[40A7]
FT4M6	FTPAD_TP	[40B2]
FT4M7	FTPAD_TP	[40C7]
FT4M8	FTPAD_TP	[40B7]
FT4M9	FTPAD_TP	[40B7]
FT4N1	FTPAD_TP	[23A6]
FT4N2	FTPAD_TP	[23A6]
FT4P1	FTPAD_TP	[5B7]
FT4P2	FTPAD_TP	[5B7]
FT4P4	FTPAD_TP	[5C7]
FT4P5	FTPAD_TP	[5C7]
FT4P6	FTPAD_TP	[5C7]
FT4P7	FTPAD_TP	[5C7]
FT4P8	FTPAD_TP	[5C7]
FT4R2	FTPAD_TP	[2D6]
FT4R3	FTPAD_TP	[52A1]

FT4R4	FTPAD_TP	[3B4]
FT4R5	FTPAD_TP	[52A4]
FT4R6	FTPAD_TP	[3B4]
FT4R7	FTPAD_TP	[3B4]
FT4R8	FTPAD_TP	[3B4]
FT4R9	FTPAD_TP	[3B4]
FT4R10	FTPAD_TP	[27B6]
FT4T1	FTPAD_TP	[52D1]
FT4T2	FTPAD_TP	[2B8]
FT4T3	FTPAD_TP	[52B5]
FT5M1	FTPAD_TP	[53B3]
FT5M2	FTPAD_TP	[53B6]
FT5M3	FTPAD_TP	[53C7]
FT5N1	FTPAD_TP	[53C6]
FT5N2	FTPAD_TP	[53C3]
FT5P1	FTPAD_TP	[3C6]
FT5P2	FTPAD_TP	[3C6]
FT5R1	FTPAD_TP	[3A4]
FT5R2	FTPAD_TP	[3A4]
FT5R3	FTPAD_TP	[3A4]
FT5R4	FTPAD_TP	[3A4]
FT5R5	FTPAD_TP	[3A4]
FT5R6	FTPAD_TP	[3A4]
FT5R7	FTPAD_TP	[3A4]
FT5R8	FTPAD_TP	[3A4]
FT5R9	FTPAD_TP	[3A4]
FT5R10	FTPAD_TP	[3A4]
FT5R11	FTPAD_TP	[3A4]
FT5R12	FTPAD_TP	[3A4]
FT5R13	FTPAD_TP	[3A4]
FT5R14	FTPAD_TP	[3A4]
FT5R15	FTPAD_TP	[3A4]
FT5R16	FTPAD_TP	[3A4]
FT5R17	FTPAD_TP	[51C1]
FT5R18	FTPAD_TP	[2D6]
FT5T2	FTPAD_TP	[3D6]
FT5T4	FTPAD_TP	[49C1]
FT6M1	FTPAD_TP	[38A4]
FT6R1	FTPAD_TP	[43A3]
FT6R2	FTPAD_TP	[43A3]
FT6U1	FTPAD_TP	[50C2]
FT7N1	FTPAD_TP	[38A4]
FT7P1	FTPAD_TP	[44C5]
FT7P2	FTPAD_TP	[44B5]
FT7P3	FTPAD_TP	[2C2]
FT7P4	FTPAD_TP	[2C2]
FT7P5	FTPAD_TP	[2C2]
FT7P6	FTPAD_TP	[2C2]
FT7P7	FTPAD_TP	[2C2]
FT7P8	FTPAD_TP	[2C2]
J1A1	WAVERECEPTACLE_TH	[39B5]
J1A2	USBTRIPLE_TH	[39C1]
J1B1	1X7SATA_TH	[41A6]
J1B2	1X7SATA_TH	[41C5]
J1D1	1X6HDR_SMT	[41B1]
J1F1	1X2HDR_TH	[35A1]
J1G3	2X4HDR_TH	[58A3]

J2A1	TRINITYRJ45AUX_TH	[38B3]
J2C1	2X5HDR10_TH	[59C7]
J2C3	2X7HDR14_TH	[59C3]
J3A1	HDMI_1X19HDR	[40B2]
J3C1	2X3HDR_TH	[60C7]
J3G1	2X3HDR_TH	[60B7]
J4A1	TOSLINK_TX_TH	[39A5]
J4A2	XENONAVIP_TH	[37C5]
J4A3	2X6HDR2_TH	[41A2]
J4C1	2X4HDR_TH	[60D7]
J4C2	2X5HDR_TH	[60A6]
J4D1	2X3HDR_TH	[60C7]
J5A4	1X4HDR_TH	[36C2]
J5B1	2X2HDR_TH	[55C6]
J5B2	1X5HDR2_TH	[41D1]
J5G2	XENONRF_BORON_TH	[38A5]
J6G1	USB DUAL HORIZONTAL_TH	[39C5]
J7A1	TRINITYPWR_TH	[38A1]
L1F1	INDUCTOR_TH	[48C3]
L2B1	INDUCTOR_TH	[47D8]
L2F1	INDUCTOR_TH	[47C4]
L4A1	INDUCTOR_1210	[37A4]
L4A2	INDUCTOR_1210	[37A4]
L4A3	INDUCTOR_1210	[37A7]
L4A4	INDUCTOR_1210	[37A7]
L4B1	INDUCTOR_TH	[51C5]
L4F1	INDUCTOR_TH	[49C3]
L5A1	INDUCTOR_1210	[53B4]
L5B2	INDUCTOR_1210	[53C4]
L5C1	INDUCTOR_TH	[51B3]
L6A1	INDUCTOR_1210	[53C8]
L6B1	INDUCTOR_TH	[43B5]
L6C1	IND_2MODE_SM	[45C1]
L6C2	IND_2MODE_TH	[45B1]
L7B1	INDUCTOR_TH	[49D8]
L7F1	INDUCTOR_TH	[50C3]
LB2B1	LABEL_SM	[62D5]
MTG1B1	STD_MTG_HOLE_TH	[62C6]
MTG1G1	STD_MTG_HOLE_TH	[62C6]
MTG4D1	STD_MTG_HOLE_TH	[62A6]
MTG4F1	STD_MTG_HOLE_TH	[62B6]
MTG4G1	STD_MTG_HOLE_TH	[62C5]
MTG6D1	STD_MTG_HOLE_TH	[62A4]
MTG6F1	STD_MTG_HOLE_TH	[62B4]
MTG7G1	STD_MTG_HOLE_TH	[62C3]
Q1F1	SHUNT_3PIN_SOT23	[56D3]
Q1N1	MBT3904DUAL_SOT	[46C5]
Q1N2	FET_SOT23	[35C7]
Q1N3	FET_SOT23	[35C7]
Q1T1	NPN_SOT23	[42B2]
Q1T2	NPN_SOT23	[42B2]
Q2F1	FET_VREG_DPAK	[47C4]
Q2F2	FET_VREG_DPAK	[47B4]
Q2F3	SHUNT_3PIN_SOT23	[56D7]
Q2N1	NPN_SOT23	[35C4]
Q3A1	MBT3904DUAL_SOT	[37C7]

Q3F1	FET_VREG_DPAK	[49C4]
Q3M1	PNP_SOT23	[37B7]
Q4A1	NPN_SOT23	[36C5]
Q4B1	ADR510_SOT23	[57A5]
Q4D1	NPN_SOT23	[60A3]
Q4D2	NPN_SOT23	[60A4]
Q4F1	FET_VREG_DPAK	[49B4]
Q4G1	PNP_SOT23	[23C1]
Q5A2	PNP_DPAK	[36C5]
Q5B1	FET_VREG_DPAK	[51C3]
Q5C1	FET_VREG_DPAK	[45A3]
Q5C2	FET_VREG_DPAK	[51B3]
Q5C3	FET_VREG_DPAK	[45A4]
Q6A1	NPN_SOT23	[42B6]
Q6A2	FET_SOT23	[42B6]
Q6B1	FET_VREG_DPAK	[45A4]
Q6B2	FET_VREG_DPAK	[45D4]
Q6C1	FET_VREG_DPAK	[45C3]
Q6C2	FET_VREG_DPAK	[45C4]
Q6M1	PNP_2C_SOT223	[42C4]
Q7G1	FET_VREG_DPAK	[50C4]
Q7G2	FET_VREG_DPAK	[50B4]
R1A1	RESN_402	[39B7]
R1C1	RESN_805	[52C6]
R1D1	RESN_1210	[52D7]
R1D2	RESN_1210	[52D8]
R1D3	RESN_1210	[52D8]
R1D4	RESN_1210	[52D8]
R1D5	RESN_402	[41C2]
R1D6	RESN_402	[41B2]
R1E12	RESN_402	[47C7]
R1E14	RESN_402	[48D5]
R1E15	RESN_402	[48C7]
R1E16	RESN_402	[48C7]
R1E17	RESN_402	[47B7]
R1E19	RESN_402	[48A3]
R1E20	RESN_402	[48A3]
R1E21	RESN_402	[48A7]
R1E22	RESN_402	[48D4]
R1F1	RESN_402	[48B5]
R1F2	RESN_402	[48B4]
R1F3	RESN_402	[47B4]
R1F4	RESN_402	[56A5]
R1F5	RESN_402	[56A4]
R1F6	RESN_402	[56A5]
R1F9	RESN_2512	[48C2]
R1G1	RESN_402	[58B3]
R1N1	RESN_402	[46C5]
R1N2	RESN_402	[46C6]
R1N3	RESN_402	[46C5]
R1N4	RESN_402	[35D6]
R1N5	RESN_402	[35D7]
R1P1	RESN_402	[46C6]
R1P2	RESN_402	[46B5]
R1T1	RESN_402	[42B3]
R1T2	RESN_402	[47C7]
R1T3	RESN_1206	[42C1]

R1T4	RESN_805	[47D8]
R1T5	RESN_402	[34C5]
R1T6	RESN_1206	[42C2]
R1T7	RESN_402	[42C2]
R1T8	RESN_402	[34B7]
R1T9	RESN_402	[34C6]
R1T10	RESN_402	[34C6]
R1T11	RESN_402	[34B7]
R1T12	RESN_402	[34B6]
R1T13	RESN_402	[34B6]
R1T14	RESN_402	[34C2]
R1T15	RESN_402	[34B6]
R1T16	RESN_402	[34B6]
R1T17	RESN_402	[34B5]
R1T18	RESN_402	[34B5]
R1T19	RESN_402	[56C3]
R1U3	RESN_402	[56C7]
R1U4	RESN_402	[56C7]
R1U5	RESN_402	[56D2]
R2A2	RESN_402	[38C7]
R2A3	RESN_402	[38C7]
R2A4	RESN_402	[38C7]
R2A5	RESN_402	[38B7]
R2B1	RESN_402	[55D7]
R2B2	RESN_402	[55C7]
R2B3	RESN_402	[55D7]
R2B4	RESN_402	[55D7]
R2C1	RESN_402	[27D3]
R2C3	RESN_402	[37C1]
R2C4	RESN_402	[59C2]
R2C5	RESN_402	[27C6]
R2C6	RESN_402	[59C4]
R2C7	RESN_402	[59C2]
R2C8	RESN_402	[28D3]
R2C9	RESN_402	[26C2]
R2C10	RESN_402	[41B2]
R2C11	RESN_402	[41B2]
R2D1	RESN_402	[32B6]
R2D2	RESN_402	[32B7]
R2D3	RESN_402	[32A6]
R2D4	RESN_402	[32C2]
R2D5	RESN_402	[29B2]
R2D6	RESN_402	[32C6]
R2D7	RESN_402	[29D6]
R2D8	RESN_402	[29D6]
R2D9	RESN_402	[29B2]
R2D10	RESN_402	[29B3]
R2D11	RESN_402	[29B2]
R2D12	RESN_402	[29B3]
R2D13	RESN_402	[29D3]
R2D14	RESN_402	[26B7]
R2D15	RESN_402	[26B8]
R2D16	RESN_402	[26B8]
R2D17	RESN_402	[26B8]
R2D18	RESN_402	[26B7]
R2D19	RESN_402	[26A5]
R2E1	RESN_402	[29A6]

R2E2	RESN_402	[47B8]
R2E3	RESN_402	[47B7]
R2E4	RESN_402	[47A3]
R2E5	RESN_402	[47A8]
R2E6	RESN_402	[47C4]
R2E7	RESN_402	[47C7]
R2E8	RESN_402	[26A5]
R2E9	RESN_402	[26A7]
R2F1	RESN_402	[47B5]
R2F2	RESN_402	[56C6]
R2F3	RESN_402	[56C6]
R2F4	RESN_402	[56A5]
R2F5	RESN_402	[56A4]
R2F7	RESN_805	[47A3]
R2F8	RESN_402	[56A4]
R2F9	RESN_805	[48B3]
R2G1	RESN_2512	[47C3]
R2G2	RESN_1206	[47B1]
R2G3	RESN_402	[26A3]
R2G4	RESN_402	[26A3]
R2G5	RESN_402	[26A3]
R2G21	RESN_402	[26A1]
R2N1	RESN_402	[37C2]
R2N2	RESN_402	[35C7]
R2N3	RESN_402	[35C7]
R2N4	RESN_402	[35D5]
R2N5	RESN_402	[35D6]
R2N6	RESN_402	[35D6]
R2N7	RESN_402	[35D4]
R2N8	RESN_402	[35C3]
R2R1	RESN_402	[32B6]
R2R2	RESN_402	[32C6]
R2R3	RESN_402	[32C6]
R2R4	RESN_402	[32A6]
R2R5	RESN_402	[32B6]
R2R6	RESN_402	[32A7]
R2R7	RESN_402	[32C2]
R2R8	RESN_402	[32A7]
R2R9	RESN_402	[32C3]
R2R10	RESN_402	[32C3]
R2R11	RESN_402	[32A2]
R2R12	RESN_402	[32C1]
R2R13	RESN_402	[32A2]
R2R14	RESN_402	[29B4]
R2R15	RESN_402	[32C2]
R2R16	RESN_402	[29B3]
R2R17	RESN_402	[29B4]
R2R18	RESN_402	[29B3]
R2R19	RESN_402	[26D7]
R2R20	RESN_402	[26B7]
R2R21	RESN_402	[26B8]
R2R22	RESN_402	[26B8]
R2R23	RESN_402	[26C7]
R2R24	RESN_402	[26B8]
R2R25	RESN_402	[26B7]
R2R26	RESN_402	[26A7]
R2T1	RESN_402	[28B6]

R2T2	RESN_402	[28A6]
R2T3	RESN_402	[47D5]
R2T4	RESN_402	[47A3]
R2T5	RESN_402	[56C6]
R2U1	RESN_402	[56D7]
R3A1	RESN_402	[37C7]
R3A2	RESN_402	[37C6]
R3A3	RESN_402	[37C8]
R3A4	RESN_402	[37C8]
R3A5	RESN_402	[37C7]
R3A6	RESN_603	[37C7]
R3A8	RESN_402	[33B3]
R3A9	RESN_402	[33B3]
R3A10	RESN_402	[33B2]
R3A11	RESN_402	[33B2]
R3B2	RESN_402	[23C3]
R3B3	RESN_402	[22D6]
R3B4	RESN_402	[23B6]
R3B5	RESN_603	[23B1]
R3B6	RESN_603	[23B1]
R3B7	RESN_603	[23B1]
R3B8	RESN_603	[23C1]
R3B9	RESN_402	[22D8]
R3B10	RESN_402	[22C7]
R3B11	RESN_402	[22C7]
R3B12	RESN_402	[22A3]
R3B13	RESN_402	[22A2]
R3B14	RESN_402	[22B2]
R3B15	RESN_402	[22A3]
R3B16	RESN_402	[22B2]
R3B17	RESN_402	[22B2]
R3B18	RESN_402	[22C2]
R3B19	RESN_402	[22C2]
R3B20	RESN_402	[22C2]
R3B21	RESN_402	[22C2]
R3B22	RESN_805	[33D6]
R3B24	RESN_402	[37A2]
R3C1	RESN_402	[22C2]
R3C2	RESN_402	[22C2]
R3C3	RESN_402	[22C2]
R3C4	RESN_402	[22D2]
R3C5	RESN_402	[22D2]
R3C6	RESN_402	[22D2]
R3C7	RESN_402	[22C2]
R3C8	RESN_402	[22D2]
R3C9	RESN_402	[22D2]
R3C10	RESN_402	[22D2]
R3C11	RESN_402	[22B3]
R3C12	RESN_402	[22B3]
R3C13	RESN_402	[22B2]
R3C14	RESN_402	[22B2]
R3D1	RESN_402	[27A7]
R3D2	RESN_402	[27A7]
R3D3	RESN_402	[26B7]
R3D4	RESN_402	[26B6]
R3D5	RESN_402	[26B7]
R3D7	RESN_402	[26A8]

R3D8	RESN_402	[26A7]
R3D9	RESN_402	[26A1]
R3D10	RESN_402	[26A1]
R3E1	RESN_402	[58C4]
R3E2	RESN_402	[58C5]
R3E3	RESN_402	[58C5]
R3E4	RESN_402	[58A7]
R3E5	RESN_805	[52B6]
R3F2	RESN_402	[58C5]
R3F3	RESN_402	[58C5]
R3F4	RESN_402	[52B6]
R3F5	RESN_402	[58C2]
R3F6	RESN_402	[49A7]
R3F7	RESN_402	[49B4]
R3F8	RESN_402	[49A3]
R3F9	RESN_402	[49A3]
R3F10	RESN_402	[49C4]
R3F11	RESN_805	[49B3]
R3F12	RESN_402	[49C7]
R3F13	RESN_402	[49C7]
R3F14	RESN_402	[49C7]
R3F15	RESN_402	[49B7]
R3F16	RESN_402	[55C2]
R3G1	RESN_402	[55A4]
R3G2	RESN_805	[49D7]
R3G4	RESN_402	[49B7]
R3G5	RESN_402	[50C7]
R3G6	RESN_402	[55A4]
R3G7	RESN_402	[55C5]
R3G8	RESN_402	[55C5]
R3G9	RESN_402	[55C5]
R3G10	RESN_402	[50B5]
R3G11	RESN_402	[50A3]
R3G12	RESN_402	[50A3]
R3G13	RESN_402	[50C4]
R3G14	RESN_402	[50B8]
R3G15	RESN_402	[50D5]
R3G16	RESN_402	[49D5]
R3G17	RESN_805	[50A3]
R3G18	RESN_402	[26A7]
R3G19	RESN_402	[26A7]
R3G20	RESN_402	[26A5]
R3M1	RESN_402	[27B6]
R3M2	RESN_402	[37B7]
R3M3	RESN_402	[37B7]
R3M6	RESN_402	[33B5]
R3M7	RESN_402	[37B6]
R3N3	RESN_402	[23B6]
R3N4	RESN_402	[23B6]
R3N5	RESN_402	[22B4]
R3N6	RESN_402	[24B6]
R3N7	RESN_402	[22C8]
R3N8	RESN_402	[22C7]
R3P1	RESN_402	[22C7]
R3R1	RESN_402	[37C2]
R3R2	RESN_402	[37C2]
R3R3	RESN_402	[27B6]

R3R4	RESN_402	[27B6]
R3R5	RESN_402	[50D3]
R3R6	RESN_402	[27C6]
R3R7	RESN_402	[26B7]
R3R8	RESN_402	[26B6]
R3R9	RESN_402	[26B7]
R3R11	RESN_402	[35B6]
R3R13	RESN_402	[59C2]
R3R14	RESN_402	[26D8]
R3R15	RESN_402	[22D4]
R3R16	RESN_402	[22D4]
R3R17	RESN_402	[27B6]
R3R18	RESN_402	[27B6]
R3R19	RESN_402	[27C2]
R3R20	RESN_402	[27B2]
R3R21	RESN_402	[27B3]
R3R22	RESN_402	[26C7]
R3R23	RESN_402	[27B2]
R3R24	RESN_402	[26C8]
R3T1	RESN_805	[31D7]
R3T2	RESN_402	[27A3]
R3T3	RESN_402	[27A2]
R3T4	RESN_402	[26D8]
R3T5	RESN_402	[52C2]
R3U1	RESN_402	[55C5]
R3U2	RESN_402	[58A8]
R3U3	RESN_402	[55C5]
R3V1	RESN_402	[49B4]
R3V4	RESN_402	[50A7]
R3V5	RESN_402	[38A7]
R3V6	RESN_402	[38B6]
R4A1	RESN_402	[36C5]
R4A2	RESN_402	[37A5]
R4A3	RESN_402	[37A5]
R4A4	RESN_402	[37A7]
R4A5	RESN_402	[37A7]
R4A6	RESN_402	[41A3]
R4A7	RESN_402	[36C5]
R4B1	RESN_402	[57B7]
R4B2	RESN_402	[57C5]
R4B3	RESN_402	[57B5]
R4B4	RESN_805	[51C4]
R4B6	RESN_402	[22D5]
R4B7	RESN_402	[22D6]
R4B8	RESN_402	[23D2]
R4B9	RESN_402	[23D2]
R4B10	RESN_402	[23C6]
R4B11	RESN_402	[51B6]
R4B12	RESN_402	[23D3]
R4B13	RESN_402	[23D3]
R4B14	RESN_402	[23A3]
R4B15	RESN_402	[23A7]
R4B16	RESN_402	[22D7]
R4B17	RESN_402	[51B4]
R4B18	RESN_402	[57A3]
R4B19	RESN_402	[51A5]
R4B20	RESN_402	[37A2]

R4B21	RESN_402	[51C7]
R4B22	RESN_402	[51A5]
R4C1	RESN_402	[23A7]
R4C2	RESN_402	[23A5]
R4C3	RESN_402	[5C6]
R4C4	RESN_402	[60A4]
R4C5	RESN_402	[5B7]
R4C6	RESN_402	[60A5]
R4C7	RESN_402	[60A4]
R4C8	RESN_402	[5B7]
R4C9	RESN_402	[60A4]
R4C10	RESN_402	[60A6]
R4C11	RESN_402	[51B7]
R4C13	RESN_402	[51C7]
R4C14	RESN_402	[51B7]
R4C17	RESN_402	[51B6]
R4D1	RESN_402	[2C6]
R4D2	RESN_402	[2C6]
R4D3	RESN_402	[60B4]
R4D4	RESN_402	[2D4]
R4D5	RESN_402	[2D4]
R4E1	RESN_402	[4D7]
R4E2	RESN_402	[4D7]
R4E3	RESN_402	[60A3]
R4E4	RESN_805	[52B6]
R4E5	RESN_402	[52B6]
R4E6	RESN_402	[52B7]
R4E7	RESN_402	[52C2]
R4E8	RESN_402	[52C3]
R4E9	RESN_402	[52C3]
R4E10	RESN_402	[52C2]
R4E11	RESN_805	[52D2]
R4F1	RESN_2512	[49C2]
R4F2	RESN_402	[52A7]
R4G3	RESN_402	[50B4]
R4G4	RESN_402	[38B6]
R4G5	RESN_402	[38B7]
R4G6	RESN_402	[38A7]
R4G7	RESN_402	[38A7]
R4M1	RESN_402	[40A6]
R4M2	RESN_402	[40A7]
R4M5	RESN_402	[40A3]
R4M6	RESN_402	[40A2]
R4N1	RESN_402	[57B5]
R4N2	RESN_402	[57A7]
R4N3	RESN_402	[57A7]
R4N4	RESN_402	[57A6]
R4N5	RESN_402	[57A6]
R4N6	RESN_402	[57A6]
R4N7	RESN_402	[57A6]
R4N8	RESN_402	[57D4]
R4N10	RESN_402	[57C4]
R4N13	RESN_402	[57D4]
R4N14	RESN_402	[57C4]
R4N15	RESN_805	[51B4]
R4P1	RESN_402	[61C4]
R4P2	RESN_402	[61C5]

R4P3	RESN_402	[61B4]
R4P4	RESN_402	[61B4]
R4P5	RESN_402	[61B5]
R4P6	RESN_402	[61B5]
R4P9	RESN_402	[5C7]
R4R1	RESN_402	[52A3]
R4R2	RESN_402	[5C4]
R4R3	RESN_402	[3C3]
R4R4	RESN_805	[52A1]
R4R5	RESN_402	[3C3]
R4R6	RESN_402	[3C3]
R4R7	RESN_402	[5C4]
R4R8	RESN_402	[3C3]
R4R9	RESN_402	[5C4]
R4R10	RESN_402	[5B3]
R4R11	RESN_402	[5C4]
R4R12	RESN_402	[5C3]
R4R13	RESN_402	[3C2]
R4T5	RESN_402	[2B8]
R4T6	RESN_402	[2B8]
R4U4	RESN_402	[52B6]
R4V1	RESN_402	[38A7]
R4V2	RESN_402	[38A7]
R5A3	RESN_402	[36C2]
R5A5	RESN_402	[53B5]
R5A6	RESN_402	[53B4]
R5A7	RESN_402	[53B6]
R5A9	RESN_805	[36C3]
R5A10	RESN_402	[36A3]
R5A11	RESN_805	[53B3]
R5B2	RESN_402	[53C5]
R5B3	RESN_402	[53C6]
R5B4	RESN_805	[53C3]
R5B5	RESN_402	[53C6]
R5B6	RESN_402	[57B4]
R5B13	RESN_805	[51B3]
R5B17	RESN_402	[53C4]
R5C1	RESN_805	[45A2]
R5C2	RESN_2512	[51B2]
R5F1	RESN_402	[19A7]
R5F2	RESN_402	[19A7]
R5F3	RESN_402	[18D7]
R5F4	RESN_402	[18D7]
R5F5	RESN_402	[18A5]
R5G1	RESN_402	[35D2]
R5G2	RESN_402	[35D2]
R5M1	RESN_805	[42B5]
R5M2	RESN_805	[42B5]
R5M3	RESN_402	[36B5]
R5M4	RESN_402	[36B5]
R5M5	RESN_402	[36B5]
R5M6	RESN_402	[53B6]
R5N2	RESN_402	[57C5]
R5N7	RESN_805	[45B7]
R5N8	RESN_805	[45A5]
R5R1	RESN_402	[2A6]
R5T1	RESN_402	[4C6]

R5T2	RESN_402	[13A7]
R5T3	RESN_402	[13A7]
R5T4	RESN_402	[13A3]
R5T5	RESN_402	[13A3]
R5T6	RESN_402	[13B5]
R5T7	RESN_402	[13B5]
R5U1	RESN_402	[19A5]
R5U2	RESN_402	[19D7]
R5U3	RESN_402	[19D7]
R5U4	RESN_402	[18A7]
R5U5	RESN_402	[18A7]
R5U6	RESN_402	[4A4]
R6A3	RESN_402	[42B7]
R6A4	RESN_402	[42B7]
R6A5	RESN_402	[38A3]
R6A6	RESN_402	[38A2]
R6A7	RESN_402	[42C6]
R6A8	RESN_402	[42C6]
R6A9	RESN_402	[42C5]
R6A10	RESN_402	[58D7]
R6A11	RESN_402	[58C7]
R6C1	RESN_805	[45C3]
R6C2	THERMISTOR_603	[44C6]
R6F1	RESN_402	[21A8]
R6F2	RESN_402	[21A8]
R6F3	RESN_402	[20D7]
R6F4	RESN_402	[20D7]
R6F5	RESN_402	[20A5]
R6F6	RESN_402	[4A3]
R6G1	RESN_402	[35C6]
R6M1	RESN_805	[42B4]
R6M2	RESN_805	[42B5]
R6M3	RESN_402	[58C6]
R6M4	RESN_402	[58C7]
R6N1	RESN_805	[45D7]
R6N2	RESN_805	[45D5]
R6R1	RESN_402	[12B1]
R6R2	RESN_402	[12B1]
R6T1	RESN_402	[12A3]
R6T2	RESN_402	[12A3]
R6T3	RESN_402	[4A6]
R6T4	RESN_402	[12A7]
R6T5	RESN_402	[12A7]
R6T6	RESN_402	[4A6]
R6T7	RESN_402	[12B5]
R6T8	RESN_402	[12B5]
R6T9	RESN_402	[13B1]
R6U1	RESN_402	[21A5]
R6U2	RESN_402	[21D7]
R6U3	RESN_402	[21D7]
R6U4	RESN_402	[20A8]
R6U5	RESN_402	[20A8]
R7A1	RESN_2512	[38B2]
R7A2	RESN_2512	[38A2]
R7B1	RESN_402	[44B6]
R7B2	RESN_402	[44B6]
R7B3	RESN_402	[44B7]

R7B4	RESN_402	[44B7]
R7B5	RESN_402	[44D6]
R7C1	RESN_402	[44B4]
R7C2	RESN_402	[44A7]
R7C3	RESN_402	[44A5]
R7C4	RESN_402	[44D5]
R7C5	RESN_402	[44B2]
R7C6	RESN_402	[44B4]
R7C7	RESN_402	[44C6]
R7C8	RESN_402	[44B1]
R7C9	RESN_402	[44C6]
R7C10	RESN_402	[44D6]
R7C11	RESN_603	[44D6]
R7C12	RESN_603	[44D6]
R7C13	RESN_402	[44D2]
R7C14	RESN_805	[44A7]
R7C15	RESN_402	[43C5]
R7C16	RESN_402	[43C5]
R7C17	RESN_402	[43C4]
R7C18	RESN_402	[43C4]
R7C19	RESN_402	[43C4]
R7C20	RESN_402	[43C3]
R7D2	RESN_402	[16D7]
R7D3	RESN_402	[16D7]
R7D4	RESN_402	[17A7]
R7D5	RESN_402	[17A7]
R7E1	RESN_402	[16A5]
R7E2	RESN_402	[4A2]
R7E4	RESN_402	[14D7]
R7E5	RESN_402	[14D7]
R7E6	RESN_402	[15A8]
R7E7	RESN_402	[15A8]
R7E8	RESN_402	[14A5]
R7F1	RESN_2512	[50C2]
R7P1	RESN_402	[44A7]
R7P2	RESN_402	[44A6]
R7P3	RESN_402	[43D6]
R7P4	RESN_402	[43D6]
R7P5	RESN_402	[43D6]
R7P6	RESN_402	[43D6]
R7P7	RESN_402	[43D6]
R7P8	RESN_402	[43C6]
R7R1	RESN_402	[17D7]
R7R2	RESN_402	[16A8]
R7R3	RESN_402	[17D7]
R7R4	RESN_402	[16A8]
R7R6	RESN_402	[4A3]
R7T1	RESN_402	[17A5]
R7T2	RESN_402	[15D7]
R7T3	RESN_402	[15D7]
R7T4	RESN_402	[14A7]
R7T5	RESN_402	[14A7]
R7T6	RESN_402	[15A5]
R7T7	RESN_402	[4A3]
RT1B1	THERMISTOR_1206	[38D6]
RT1M1	THERMISTOR_1206	[39B3]
RT1M2	THERMISTOR_1206	[39C3]

RT2M1	THERMISTOR_1206	[39D3]
RT3A1	THERMISTOR_1206	[37D7]
RT3A2	THERMISTOR_1206	[38D6]
RT5A1	THERMISTOR_1206	[41D3]
RT6G1	THERMISTOR_1206	[39D8]
RT7V1	THERMISTOR_1206	[39C8]
ST1F1	SHORT_SM	[48C2]
ST1F2	SHORT_SM	[48B2]
ST1F3	SHORT_SM	[48C2]
ST1U1	SHORT_SM	[48B4]
ST1U2	SHORT_SM	[48C4]
ST2G1	SHORT_SM	[47B3]
ST2G2	SHORT_SM	[47C2]
ST2G3	SHORT_SM	[47C2]
ST2R1	SHORT_SM	[31B7]
ST2R2	SHORT_SM	[31B7]
ST2T1	SHORT_SM	[31A7]
ST2T2	SHORT_SM	[30C8]
ST2U1	SHORT_SM	[47C4]
ST2U2	SHORT_SM	[47B4]
ST3C1	SHORT_SM	[23A6]
ST3C2	SHORT_SM	[23A6]
ST3C3	SHORT_SM	[23A6]
ST3C4	SHORT_SM	[23A6]
ST3C5	SHORT_SM	[23A6]
ST3F1	SHORT_SM	[49C4]
ST3R1	SHORT_SM	[31D7]
ST3T1	SHORT_SM	[30D7]
ST3T2	SHORT_SM	[30A7]
ST4F1	SHORT_TRACE	[49B2]
ST4F2	SHORT_SM	[49C2]
ST4F4	SHORT_SM	[49C2]
ST4U1	SHORT_TRACE	[49B4]
ST5C1	SHORT_SM	[51C2]
ST5C2	SHORT_TRACE	[51B3]
ST5C3	SHORT_SM	[51C2]
ST5R1	SHORT_SM	[6C6]
ST5R2	SHORT_SM	[6C6]
ST5R3	SHORT_SM	[6A6]
ST5R4	SHORT_SM	[6A6]
ST5R5	SHORT_SM	[6B6]
ST5T1	SHORT_SM	[6C6]
ST5T2	SHORT_SM	[6B6]
ST6C1	SHORT_SM	[44B8]
ST6D1	SHORT_SM	[44A8]
ST6D2	SHORT_SM	[44A5]
ST6V1	SHORT_TRACE	[50B4]
ST6V2	SHORT_TRACE	[50C4]
ST7A1	SHORT_SM	[38B2]
ST7A2	SHORT_SM	[38B2]
ST7F1	SHORT_SM	[50B2]
ST7F2	SHORT_SM	[50C2]
ST7F3	SHORT_SM	[50C2]
STP3C1	STP_TP	[61B1]
STP4C1	STP_TP	[61C4]
STP4C2	STP_TP	[61B4]
STP4C3	STP_TP	[61C5]



STP4C4	STP_TP	[61B4]
STP4C5	STP_TP	[61B5]
STP4C6	STP_TP	[61B5]
STP4E1	STP_TP	[61B7]
STP4E2	STP_TP	[61B7]
STP4E3	STP_TP	[61A8]
STP5B1	STP_TP	[61B1]
STP5B2	STP_TP	[61B1]
STP5D1	STP_TP	[61C7]
STP5D2	STP_TP	[61C7]
STP6C1	STP_TP	[61B7]
STP6C2	STP_TP	[61A7]
STP7B1	STP_TP	[61B1]
STP7C1	STP_TP	[61B1]
STP7C2	STP_TP	[61C1]
STP7C3	STP_TP	[61C1]
STP7C4	STP_TP	[61C1]
STP7C5	STP_TP	[61C1]
STP7C6	STP_TP	[61C1]
STP7C7	STP_TP	[61C1]
STP7E1	STP_TP	[61C7]
STP7E2	STP_TP	[61C7]
STP7N1	STP_TP	[61B1]
U1B1	SI4501DY_SO8	[46C3]
U1C1	NCP1117_DPAK	[52C7]
U1E1	ADP1877_LCC32	[47A6]
U1E1	ADP1877_LCC32	[48A7]
U1E2	NAND_TSOP	[34B3]
U1F1	FET_VREG_DUAL_1_SO -8	[48C4]
U1F2	AD7991_SOT23	[56B3]
U1F3	REF3333_SC70	[56B3]
U1F5	TRSET_9920_TH	[35B1]
U1G2	LM95234_LLP-14	[58B2]
U1G3	TRSET_9920_SMT	[35B1]
U1U1	AD5252_TSSOP	[56C5]
U2D1	ETHERNETPHY_KSZ804 1NL_AR8032_QFN	[32A5]
U2N1	BMAX20_LGA12	[35C5]
U2U1	AD8213_MSOP10	[56B5]
U3A5	AUDIODAC_CSS4354_W M1824_QFN25	[33A5]
U3B2	HANA_BGA225	[22C5]
U3B2	HANA_BGA225	[23C4]
U3B2	HANA_BGA225	[24C4]
U3B2	HANA_BGA225	[25B4]
U3D1	SB_BGA	[26C4]
U3D1	SB_BGA	[27C5]
U3D1	SB_BGA	[28C5]
U3D1	SB_BGA	[29C5]
U3D1	SB_BGA	[30C4]
U3D1	SB_BGA	[31B5]
U3E1	AD7992_MSOP10	[58A6]
U3E2	AD5252_TSSOP	[58C4]
U3G1	ADP1877_LCC32	[49A6]
U3G1	ADP1877_LCC32	[50A7]
U3G2	AD7991_SOT23	[55A3]

U3G3	REF3333_SC70	[55B4]
U3G4	ISD2130_QFN21	[35A4]
U3T1	REF3333_SC70	[58B7]
U3V1	AD5252_TSSOP	[55C4]
U3V2	AD8213_MSOP10	[55A5]
U4B1	AD5252_TSSOP	[57A5]
U4B2	AD7992_MSOP10	[57D3]
U4B3	IR3638_SSOP	[51B5]
U4E1	NCP1117_DPAK	[52B7]
U4E2	NCP1117_SOT223	[52D3]
U4R1	LD39015_SOT23-5	[52A3]
U4R2	AT25020A_SOI8	[5C2]
U5A1	SIMPLESWR_SOT23	[53B5]
U5B1	SIMPLESWR_SOT23	[53C5]
U5B2	AD8213_MSOP10	[57C6]
U5B5	MOSDRIVER_SOI8	[45A6]
U5B6	REF3333_SC70	[57D6]
U5E1	VALHALLA_1_BGA_2	[2C4]
U5E1	VALHALLA_1_BGA_2	[3C5]
U5E1	VALHALLA_1_BGA_2	[4A5]
U5E1	VALHALLA_1_BGA_2	[5C5]
U5E1	VALHALLA_1_BGA_2	[6C3]
U5E1	VALHALLA_1_BGA_2	[7B6 7A8 7C8 7B4 7B1]
U5E1	VALHALLA_1_BGA_2	[8B2 8B4 8B7]
U5E1	VALHALLA_1_BGA_2	[12C3 12C7]
U5E1	VALHALLA_1_BGA_2	[13C6 13C3]
U5F1	GDDR136_1GBIT_BGA1 36	[18C2 18C6]
U5N1	AD7992_MSOP10	[57C4]
U5U1	GDDR136_1GBIT_BGA1 36	[19C6 19C2]
U5U2	74LVC1G06_SC70	[4A3]
U6A1	INA219_SOT23-8	[58C6]
U6B1	MOSDRIVER_SOI8	[45C6]
U6F1	GDDR136_1GBIT_BGA1 36	[20C6 20C2]
U6G1	IR_WHOLDER_TH	[35B7]
U6U1	GDDR136_1GBIT_BGA1 36	[21C6 21C2]
U7C1	NCP4201_LCC40	[44C3]
U7D1	GDDR136_1GBIT_BGA1 36	[16C2 16B6]
U7E1	GDDR136_1GBIT_BGA1 36	[14C2 14C6]
U7R1	GDDR136_1GBIT_BGA1 36	[17B6 17C2]
U7T1	GDDR136_1GBIT_BGA1 36	[15C6 15C2]
Y3B1	CRYSTAL_SM	[22D8]